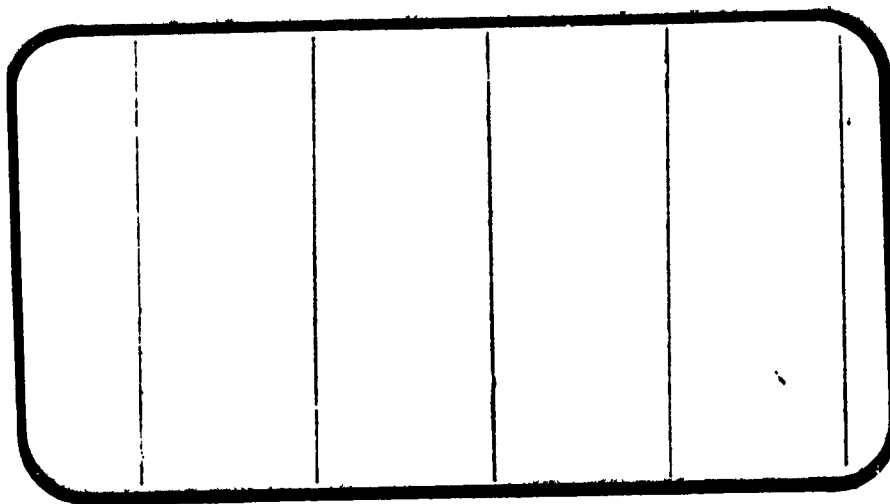


NASA

National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas 77058



(NASA-CR-151378) RESULTS OF AN
INVESTIGATION OF THE ACOUSTIC AND
VIBRATIONAL ENVIRONMENT OF A FULL SCALE
SPACE SHUTTLE ORBITER STRUCTURAL TEST PANEL
WITH SIMULATED TPS IN THE AMES (Chrysler

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SPACE SHUTTLE THERMODYNAMIC DATA REPORT



Data Management SERVICES

SPACE DIVISION



CHRYSLER
CORPORATION

October 1977

DMS-DR-2179
NASA CR-151,378

RESULTS OF AN INVESTIGATION OF THE ACOUSTIC AND
VIBRATIONAL ENVIRONMENT OF A FULL SCALE SPACE
SHUTTLE ORBITER STRUCTURAL TEST PANEL WITH
SIMULATED TPS IN THE AMES UNITARY PLAN WIND
TUNNEL (MODEL 81-0, TEST OS8A AND B)

by
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Shuttle Aero Sciences
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by
Data Management Services
Chrysler Corporation Michoud Defense-Space Division
New Orleans, La. 70189

for
Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC UPWT 11-010-1 and 97-010-1
NASA Series Number: OS8A and B
Model Number: 81-0
Test Dates: A: July 11 through 17, 1974
B: July 19 through 29, 1974

Occupancy Hours: A: 168
B: 108

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R. B. Kingsland, Rockwell International

ABSTRACT

Results of tests OS8A and B and pertinent test and model information are presented in this report. The test was conducted in two parts. Test OS8A was performed in the NASA/ARC unitary 11-foot section from July 11 through 17, 1974 and OS8B was conducted in the NASA/ARC unitary 9 x 7 tunnel from July 19 through 29, 1974. Test objectives were to investigate thermal protection system (TPS) tile sensitivity to extreme pressure gradients and vibration and to define the TPS aerodynamic environment. The model utilized for OS8 was a full-scale representation of a portion of the space shuttle orbiter lower wing carry-through structure forward of the aft tank strut and propellant lines. Thermal protection tiles were simulated on the model. The model was instrumented with static pressure orifices, accelerometers, and dynamic pressure transducers (Kulites). A total pressure rake was utilized to obtain boundary layer surveys.

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SCHEDULE OF COEFFICIENTS PLOTTED:

- (A) P_s/P_t versus Z
- (B) C_p versus X

NOMENCLATURE

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
A_1		<u>1th</u> accelerometer
ARC		Ames Research Center
	BLPOS	position of boundary layer rake on model, 1 = forward, 2 = aft, 0 = bleed
C_{P_1}	CP1	local pressure coefficient at station 1
M_1	M1	dynamic pressure transducer at station 1
M_∞	MACH	freestream Mach number
P_{box}	PBOX	pressure in acoustic box, psia
P_1	P1	local pressure at station 1, psia
P_l	PS	local static pressure, psia
P_{T_∞}	PT	freestream total pressure, psia
P_{T_1}	PT1	total pressure at station 1, psia
P_∞	P	freestream static pressure, psia
q_∞	Q(PSF)	freestream dynamic pressure, psia
Re_l	RN/L	unit Reynolds number, per foot
T	T	freestream static temperature, °R
T_1	T1	total pressure measured at station 1 on boundary layer rake, psia
T_t	TT	freestream total temperature, °R
TPS		thermal protection system
X	X	longitudinal station on panel, inches (positive aft) from centerline
Y	Y	lateral station on panel, inches (positive star- board) from centerline

NOMENCLATURE (Concluded)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
Z	Z	vertical distance from model wall, inches
δ_{F2}	SF2	deflection angle of compression shock generator from tunnel wall, deg.
BLB	BLB, BRB	boundary layer bleed
BRA	BRA	boundary layer rake aft
BRF	BRF	boundary layer rake fore
P_s/P_T	PS/PT	local static to rake total pressure ratio

CONFIGURATIONS INVESTIGATED

The model consisted of three interchangeable panels. Each panel was a full scale replica of a portion of the space shuttle orbiter lower wing carry-through structure forward of the aft tank strut and propellant lines.

The three panels were:

1. A dummy panel made from a three-inch aluminum slab with half-inch deep grooves cut in it to simulate TPS tiles as shown in figure 2a
2. A rigid panel with TPS tiles bonded to its outer surface as shown on figure 2b; and
3. An elastic panel with TPS tiles bonded on its outer surface with flexible inner surface designed to approximate the edge fixity provided by attachment to ribs and frames in the wing carry-through section of the mid fuselage; shown in figures 2c and 2d.

The panels were interchangeably mounted on a frame. The frame was instrumented with 65 static pressure taps and 18 dynamic pressure transducers located as given in tables IV and V. The dummy panel was instrumented to obtain dynamic and static pressures as described by figure 2a and table V. The rigid and flexible panels were instrumented with accelerometers on their inside surface, with the sensitive axis normal to the skin. One of the tiles was instrumented with strain gages to measure lateral and longitudinal stresses in the tile coating.

The panels were either flush mounted on the 11' tunnel floor or on

CONFIGURATIONS INVESTIGATED (Concluded)

the 9' x 7' tunnel ceiling or mounted on the shock expansion fixture as shown in figures 2e and 3. An acoustic box was mounted back of the tunnel wall when the flexible and rigid panels were tested. The internal pressure of the acoustic box was controlled during the tests to prevent large pressure differentials across the panel. Its control system was designed to vent its internal pressure to tunnel static pressure in the event of an emergency shutdown. A compression shock fixture, consisting of a flat plate flap located down stream of the panel, was also used during the test. The flap deflection angle from the wall was varied from 0° to 87° . A rake, as described by figures 2f, 3g, 3h, 3i, and 3k, was used to measure pressures in the boundary layer. Two sets of boundary thickening devices, as shown in figures 2g, 3j, and 3k, were also used during the test. One device was 8-inches high while the other was 4-inches high.

Table III describes the various model components that were tested.

TEST FACILITY DESCRIPTION

Ames 11 x 11-Ft. Transonic

The Ames 11 x 11-Foot Transonic Wind Tunnel is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

Ames 9 x 7-Ft. Supersonic

The Ames 9 x 7-Foot Supersonic Wind Tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the streamwise direction, the fixed-contour block that forms the floor of the nozzle.

DATA REDUCTION

Dynamic data from the accelerometers and dynamic pressure transducers were recorded on a 32 track tape recorder using 1 inch wide magnetic tape. These data were retained by the structural dynamic analyst (name and address given on page ii) and are not presented in this report. Tile coating stress data were also retained by the same analyst.

Static and total pressure data were recorded on magnetic tape and are presented in tabulated and plotted form in this report. Rake pressure data were reduced as local static to rake total ratios. Repeat runs were averaged and plotted along with individual runs versus distance from model wall (Z) in the data figures. Table IX relates the source data to each averaged dataset plotted. Panel frame pressure data were reduced to coefficient form and are plotted versus panel station (X) in the data figures.

REFERENCES

1. R. B. Kingsland, "Pretest Information for Testing the 81-0 Model in the Ames Research Center Unitary Plan Wind Tunnel - Tests OS8A and B," Rockwell International Space Division Report No. SD74-SH-0167, May 10, 1974.

2..... Reference drawings:

Drawing Number

L014-01496	Top Hatch Assembly - Ames 9 x 7-foot Wind Tunnel
SS-A01252	Detail and Installation - Compression Shock Flap
L014-01496	Top Hatch Assembly - Ames 9 x 7' Wind Tunnel
SS-A01248	Panels - TPS Meeting
SS-A01249-1	Installation 81-0 Panels
SS-A01250	Expansion Shock Body Detail and Assembly
SS-A01251	Detail and Installation - Acoustic Boxes
SS-A01252	Detail and Installation - Comp. Shock Flap
SS-A01253	Detail and Assembly - Turbulence Generators 81-0 Model
SS-A01287	Kulite Holders 81-0 Model
SS-A01289	Boundary Layer Rake 81-0 Model

TABLE I.

TEST : 088A

DATE : 7/29/74

TEST CONDITIONS

$P_T = 12.23 \text{ psi}$

MACH NUMBER	REYNOLDS NUMBER (million per foot)	DYNAMIC PRESSURE (pounds/sq.ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6		354	120
0.7	2.92	436	
0.75	3.03	478	
0.8	3.14	518	
0.82	3.17	533	
0.84	3.21	546	
0.86	3.24	560	
0.88	3.28	574	
0.9	3.31	590	
0.92	3.33	603	
0.94	3.41	615	
0.96	3.62	626	
1.02	3.36	661	
1.2	3.51	732	
1.4	3.46	759	

BALANCE UTILIZED:

NO.

CAPACITY:

ACCURACY:

COEFFICIENT
TOLERANCE:

NF

SF

AF

PM

RM

YM

COMMENTS:

TABLE I. (Concluded)

TEST : 088B.	DATE : 7/29/74		
TEST CONDITIONS $P_T = 10.06 \text{ psi}$			
MACH NUMBER	REYNOLDS NUMBER (million per foot)	DYNAMIC PRESSURE (pounds/sq.ft.):	STAGNATION TEMPERATURE (degrees Fahrenheit)
1.6	2.72	610	120
1.7	2.62	590	
1.8	2.52	568	
1.9	2.44	545	
2.0	2.35	521	
2.1	2.27	496	
2.2	2.18	470	
2.3	2.11	445	
2.4	2.02	418	
2.5	1.94	393	

BALANCE UTILIZED: NONE

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	_____	_____	_____
SF	_____	_____	_____
AF	_____	_____	_____
PM	_____	_____	_____
RM	_____	_____	_____
YM	_____	_____	_____

COMMENTS:

15

TABLE II.

DATE: 7-29-74

DATA SET/RUN NUMBER COLLATION SUMMARY

TEST: 058A,B ARC 11-97-010

[illegible]

X No. force data available

DATA SET/PIN NUMBER COLLATION SUMMARY

DATE: 7-29-74

[illegible]

α OR β
SCHEDULES

SCHEDULES
For accurate data available

* No force or pressure data available

DATE: 7-29-74

[illegible]

SCHEDULES
expl. in structure data available

TABLE II. (Continued)

[illegible]

any No time or pressure data available

TABLE II. (Concluded)

DATE: 7-27-74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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* No time data available

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ACOUSTIC BOX (PLENUM) - AB₁ (for 9x7 foot tunnel)

GENERAL DESCRIPTION: Plenum used with panels in 9 x 7 foot tunnel.

DRAWING NUMBER: SS A01251

SCALE: FULL

DIMENSIONS:	<u>VALUE</u>
Length	49.0
Max Width	25.0
Max Depth	36.5

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ACOUSTIC BOX (PLENUM) - AB₂ - 24" Deep
 GENERAL DESCRIPTION: Plenum used with panels in 11 x 11 foot tunnel.
 DRAWING NUMBER: SS-A01251

SCALE: FULL

DIMENSIONS:

	<u>VALUE</u>	
	With SF ₁	Without SF ₁
Length	49.0	49.0
Max Width	25.0	25.0
Max Depth	36.5	21.5

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BOUNDARY LAYER GENERATOR SYSTEM - BG₁

GENERAL DESCRIPTION: A system of double conical spikes staggered in two rows across the tunnel. Distance between rows is 2" and the spikes are 2" on centerline in each row.

DRAWING NUMBER: SS-A01253

SCALE: FULL

DIMENSIONS:	In.	<u>VALUE</u>
Base diameter		0.4380
Mid-diameter		0.189
Top diameter		0.02
Height of base cone		1.5
Height of top cone		2.6

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BOUNDARY LAYER GENERATOR SYSTEM - BG₂

GENERAL DESCRIPTION: A system of double conical spikes staggered in two rows across the tunnel. Distance between rows is 2" and the spikes are 2" on centerline in each row.

DRAWING NUMBER: SS-A01253

SCALE: FULL

DIMENSIONS - In.	<u>VALUE</u>
Base diameter	0.390
Mid-diameter	0.186
Top diameter	0.2
Height of base cone	3.0
Height of top cone	5.1

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BOUNDARY LAYER RAKE - BR₁

GENERAL DESCRIPTION: Twenty-tube total head rake used for boundary layers up to 14" thick.

MODEL DRAWING NUMBER: SS-A01289

SCALE: FULL -

TUBE NO.	HEIGHT ABOVE SURFACE (IN.)
1	0.1
2	0.2
3	0.3
4	0.4
5	0.5
6	0.6
7	0.7
8	0.8
9	0.9
10	1.0
11	1.75
12	2.50
13	3.25
14	4.0
15	6.0
16	8.0
17	10.0
18	12.0
19	14.0
20	16.0

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELASTIC PANEL - PA₁

GENERAL DESCRIPTION: Full scale replica of a portion of the lower wing carry-through structure ahead of the aft tank strut and propellant lines with 2" thick HRSI TPS tiles on its surface.

DRAWING NUMBER: VL70-090603, SS-A01248

SCALE: FULL

DIMENSIONS:	<u>VALUE</u>
Length	54.4
Max Width	24.5

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RIGID PANEL - PA₂

GENERAL DESCRIPTION: Two-inch thick slab with 2" thick HRSI TPS tiles on its surface.

DRAWING NUMBER: VL70-090603, SS-A01248

SCALE: FULL

DIMENSIONS:	<u>VALUE</u>
Length, In.	54.4
Max Width, In.	24.15

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: DUMMY PANEL - PA₃

GENERAL DESCRIPTION: Slab with 1/2" deep grooves to simulate tiles.

DRAWING NUMBER: SS-A01248

SCALE: FULL

DIMENSIONS:

VALUE

Length, In.

54.4

Max Width, In.

24.15

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: EXPANSION SHOCK FIXTURE - SF₁

GENERAL DESCRIPTION: Used in 11 x 11 ft. tunnel.

DRAWING NUMBER: SS-A01250

SCALE: FULL

DIMENSIONS:	<u>VALUE</u>
Length, In.	105.0
Max Width, In.	60.0
Max Depth, In.	15.0

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: COMPRESSION SHOCK FIXTURE - SF₂

GENERAL DESCRIPTION: Used in 9 x 7 tunnel, adjustable from 0 to 90 deg.

DRAWING NUMBER: SS-A01252

DIMENSIONS:	<u>VALUE</u>
Length, In.	12.0
Max Width, In.	100.0
Max Depth, In.	0.5

TABLE IV. STATIC PRESSURE TAP LOCATIONS ON FRAME

PRESSURE No.	X (IN.)	Y (IN.)	PRESSURE NO.	X (IN.)	Y (IN.)
1	-28.5	13.5	35	-28.5	-6.5
2	-26.5	13.5	36	27.5	-6.5
3	-24.5	13.5	37	-28.5	-13.5
4	-22.5	13.5	38	-26.5	-13.5
5	-20.5	13.5	39	-24.5	-13.5
6	-18.5	13.5	40	-22.5	-13.5
7	-16.5	13.5	41	-20.5	-13.5
8	-14.5	13.5	42	-18.5	-13.5
9	-12.5	13.5	43	-16.5	-13.5
10	-10.5	13.5	44	-14.5	-13.5
11	-8.5	13.5	45	-12.5	-13.5
12	-6.5	13.5	46	-10.5	-13.5
13	-4.5	13.5	47	-8.5	-13.5
14	-2.5	13.5	48	-6.5	-13.5
15	-0.5	13.5	49	-4.5	-13.5
16	1.5	13.5	50	-2.5	-13.5
17	3.5	13.5	51	-0.5	-13.5
18	5.5	13.5	52	1.5	-13.5
19	7.5	13.5	53	3.5	-13.5
20	9.5	13.5	54	5.5	-13.5
21	11.5	13.5	55	7.5	-13.5
22	13.5	13.5	56	9.5	-13.5
23	15.5	13.5	57	11.5	-13.5
24	17.5	13.5	58	13.5	-13.5
25	19.5	13.5	59	15.5	-13.5
26	21.5	13.5	60	17.5	-13.5
27	23.5	13.5	61	19.5	-13.5
28	25.5	13.5	62	21.5	-13.5
29	27.5	13.5	63	23.5	-13.5
30	-28.5	6.5	64	25.5	-13.5
31	27.5	6.5	65	27.5	-13.5
32	-28.5	-0.5			
33	-27.5	-0.5			
34	27.5	-0.5			

TABLE V. DYNAMIC PRESSURE TRANSDUCER LOCATIONS

IN FRAME			IN DUMMY PANEL		
PRESSURE NO.	X (IN.)	Y (IN.)	PRESSURE NO.	X (IN.)	Y (IN.)
M1	-28.5	13.0	M19	-24.5	0.5
M2	-20.5	13.0	M20	-20.5	0.5
M3	-12.5	13.0	M21	-16.5	0.5
M4	-4.5	13.0	M22	-12.5	0.5
M5	3.5	13.0	M23	-8.5	0.5
M6	11.5	13.0	M24	-4.5	0.5
M7	19.5	13.0	M25	-0.5	0.5
M8	27.5	13.0	M26	3.5	0.5
M9	-28.5	0.5	M27	7.5	0.5
M10	27.5	0.5	M28	11.5	0.5
M11	-28.5	-13.0	M29	15.5	0.5
M12	-20.5	-13.0	M30	19.5	0.5
M13	-12.5	-13.0	M31	23.5	0.5
M14	-4.5	-13.0			
M15	3.5	-13.0			
M16	11.5	-13.0			
M17	19.5	-13.0			
M18	27.5	-13.0			

TABLE VI. ACCELEROMETER LOCATIONS

INSIDE OF RIGID MODEL		INSIDE OF FLEXIBLE MODEL			
Y = 0		X (INCHES)	Y (INCHES)		
X (INCHES)	ACCELEROMETER NO.		-8.75	0	8.75
-19.0	A14	-25.32		A5	A10
		-21.10			
0.0	A15	-16.88	A1		
		-12.66		A6	A11
7.0	A16	-8.44			
		-4.22	A2		A12
		0.0		A7	
		4.22			
		8.44	A3		A13
		12.66		A8	
		16.88			
		21.10	A4		
		25.32		A9	

ACCELEROMETER NO.

TABLE VII. BOUNDARY LAYER RAKE TOTAL PRESSURE TAP LOCATIONS

PRESSURE NO.	H (IN.)
T1	0.10
T2	0.20
T3	0.30
T4	0.40
T5	0.50
T6	0.60
T7	0.70
T8	0.80
T9	0.90
T10	1.00
T11	1.75
T12	2.50
T13	3.25
T14	4.00
T15	6.00
T16	8.00
T17	10.00
T18	12.00
T19	14.00
T20	16.00

TABLE VIII. STATIC PRESSURE TAP LOCATIONS ON DUMMY PANEL.

PRESSURE NO.	X (IN.)	Y (IN.)	PRESSURE NO.	X (IN.)	Y (IN.)	PRESSURE NO.	X (IN.)	Y (IN.)
66	-26.5	6.5	103	-16.5	-0.5	140	20.5	-0.5
67	-24.5	6.5	104	-15.5	-0.5	141	21.5	-0.5
68	-22.5	6.5	105	-14.5	-0.5	142	22.5	-0.5
69	-20.5	6.5	106	-13.5	-0.5	143	23.5	-0.5
70	-18.5	6.5	107	-12.5	-0.5	144	24.5	-0.5
71	-16.5	6.5	108	-11.5	-0.5	145	25.5	-0.5
72	-14.5	6.5	109	-10.5	-0.5	146	26.5	-0.5
73	-12.5	6.5	110	-9.5	-0.5	147	-26.5	-6.5
74	-10.5	6.5	111	-8.5	-0.5	148	-24.5	-6.5
75	-8.5	6.5	112	-7.5	-0.5	149	-22.5	-6.5
76	-6.5	6.5	113	-6.5	-0.5	150	-20.5	-6.5
77	-4.5	6.5	114	-5.5	-0.5	151	-18.5	-6.5
78	-2.5	6.5	115	-4.5	-0.5	152	-16.5	-6.5
79	-0.5	6.5	116	-3.5	-0.5	153	-14.5	-6.5
80	1.5	6.5	117	-2.5	-0.5	154	-12.5	-6.5
81	3.5	6.5	118	-1.5	-0.5	155	-10.5	-6.5
82	5.5	6.5	119	-0.5	-0.5	156	-8.5	-6.5
83	7.5	6.5	120	0.5	-0.5	157	-6.5	-6.5
84	9.5	6.5	121	1.5	-0.5	158	-4.5	-6.5
85	11.5	6.5	122	2.5	-0.5	159	-2.5	-6.5
86	13.5	6.5	123	3.5	-0.5	160	-0.5	-6.5
87	15.5	6.5	124	4.5	-0.5	161	1.5	-6.5
88	17.5	6.5	125	5.5	-0.5	162	3.5	-6.5
89	19.5	6.5	126	6.5	-0.5	163	5.5	-6.5
90	21.5	6.5	127	7.5	-0.5	164	7.5	-6.5
91	23.5	6.5	128	8.5	-0.5	165	9.5	-6.5
92	25.5	6.5	129	9.5	-0.5	166	11.5	-6.5
93	-26.5	-0.5	130	10.5	-0.5	167	13.5	-6.5
94	-25.5	-0.5	131	11.5	-0.5	168	15.5	-6.5
95	-24.5	-0.5	132	12.5	-0.5	169	17.5	-6.5
96	-23.5	-0.5	133	13.5	-0.5	170	19.5	-6.5
97	-22.5	-0.5	134	14.5	-0.5	171	21.5	-6.5
98	-21.5	-0.5	135	15.5	-0.5	172	23.5	-6.5
99	-20.5	-0.5	136	16.5	-0.5	173	25.5	-6.5
100	-19.5	-0.5	137	17.5	-0.5	FRS	-27.5	-3.5
101	-18.5	-0.5	138	18.5	-0.5	ARS	21.5	-3.5
102	-17.5	-0.5	139	19.5	-0.5			

TABLE IX. PLOTTED DATASET ORIGIN

Source Datasets Used in Averaging	Output Dataset
REX001, REX002	BEX042
REX001, REX002, REX003	BEX043
REX001, REX002, REX003	BEX037
REX002	BEX050
REX015, REX016, REX017	BEX049
REX018, REX019, REX020	BEX045
REX018, REX019, REX020, REX021	BEX046
REX018, REX019, REX020	BEX047
REX018	BEX038
REX019	BEX039
REX020	BEX040
REX021	BEX041
REX018	BEX022
REX019	BEX023
REX020	BEX024
REX002, REX003	BEX044

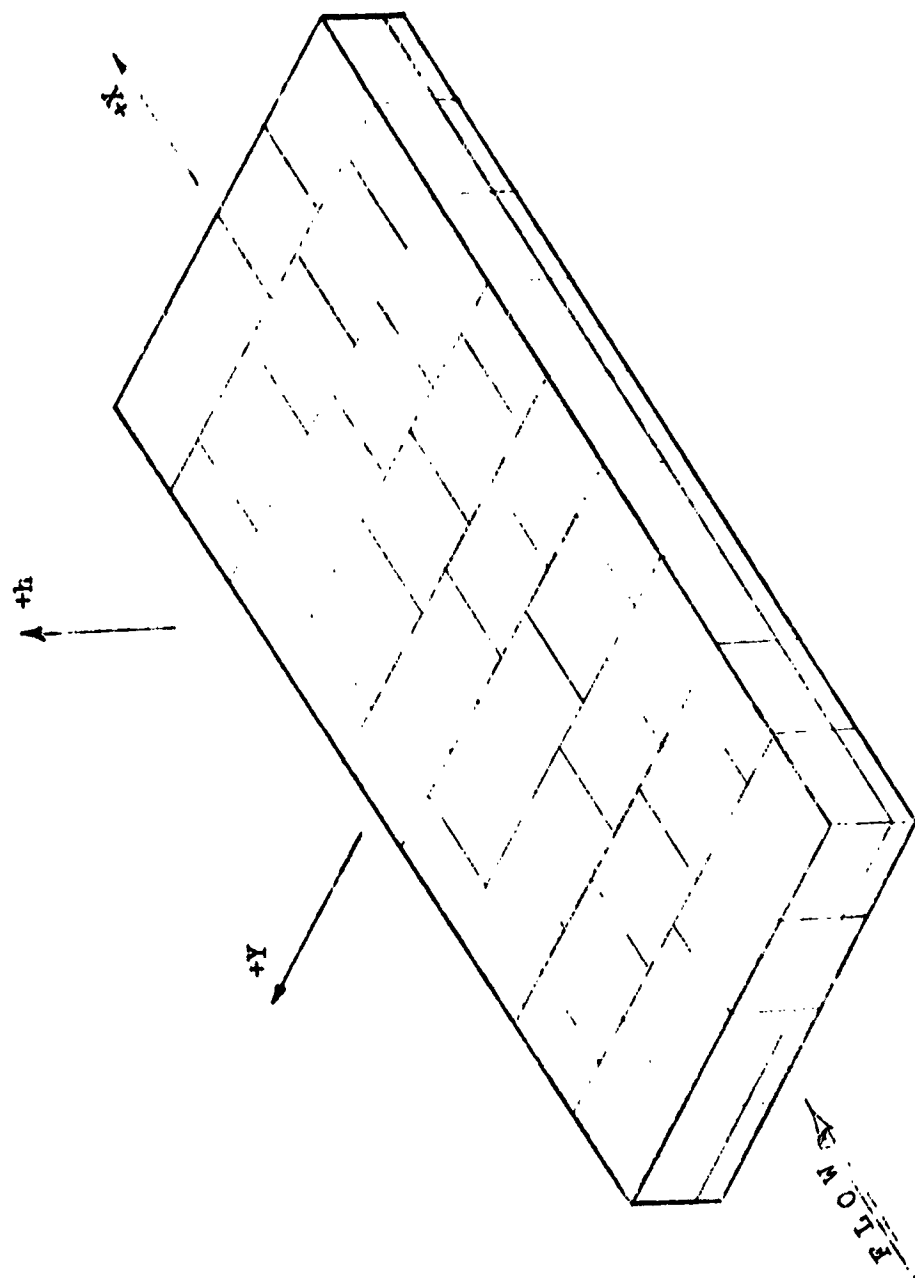
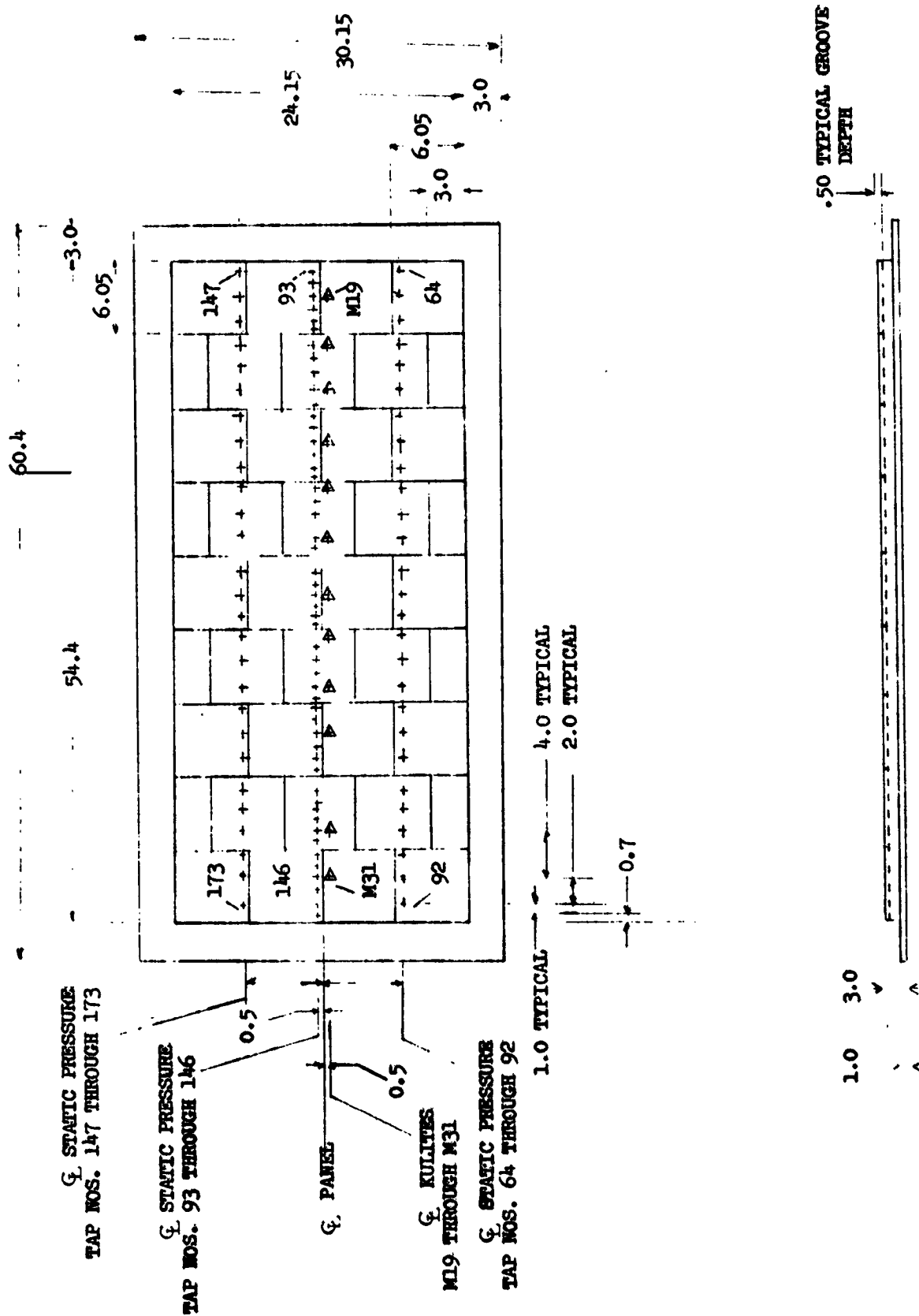
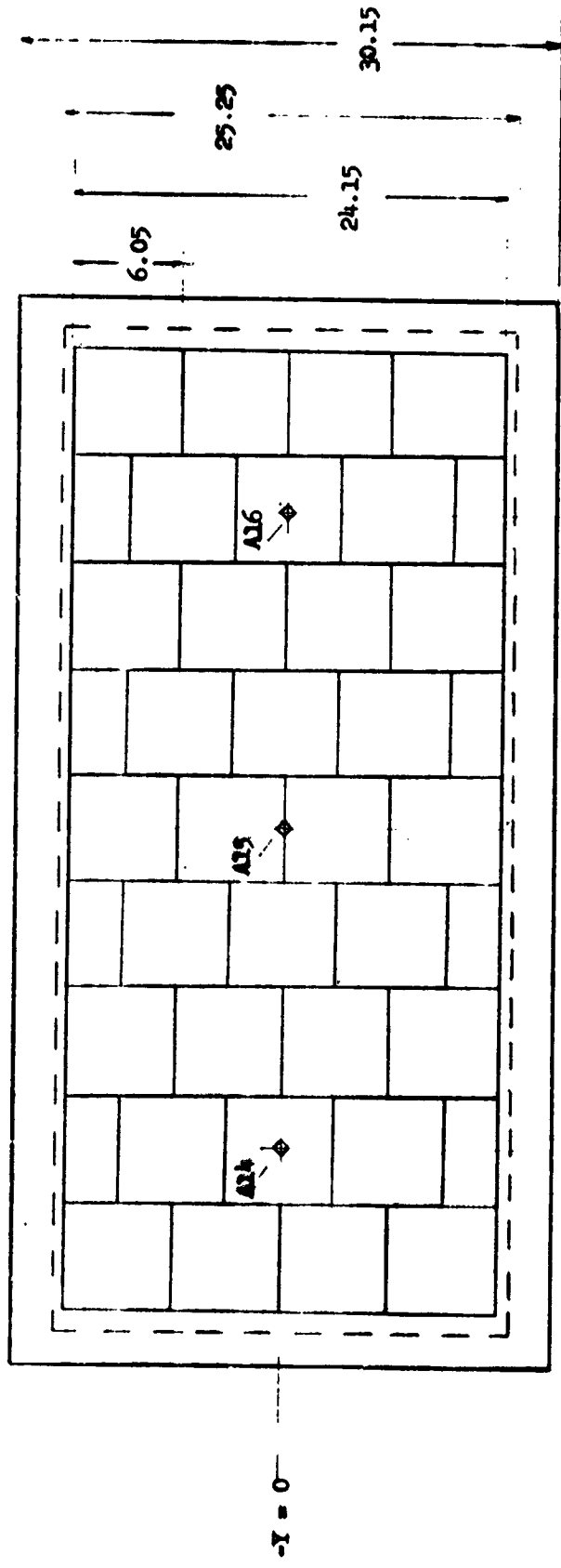


Figure 1. Model coordinate system.



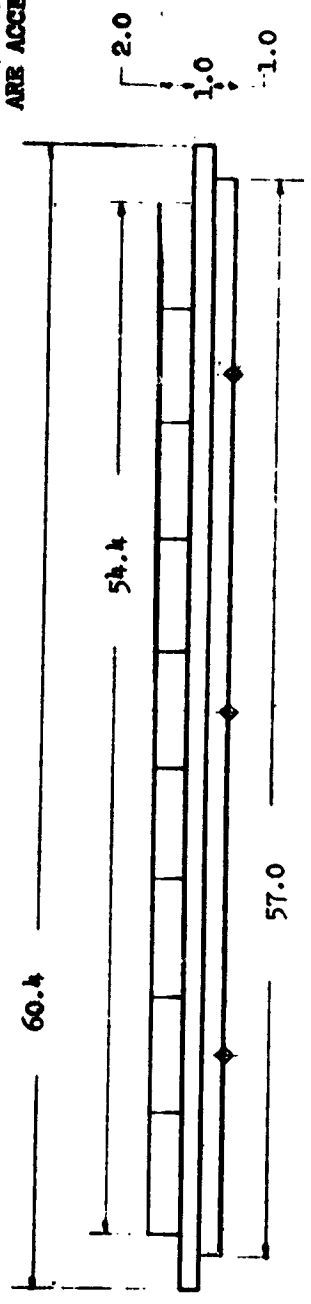
a. Dummy Panel, PA3
Figure 2. Model sketches.



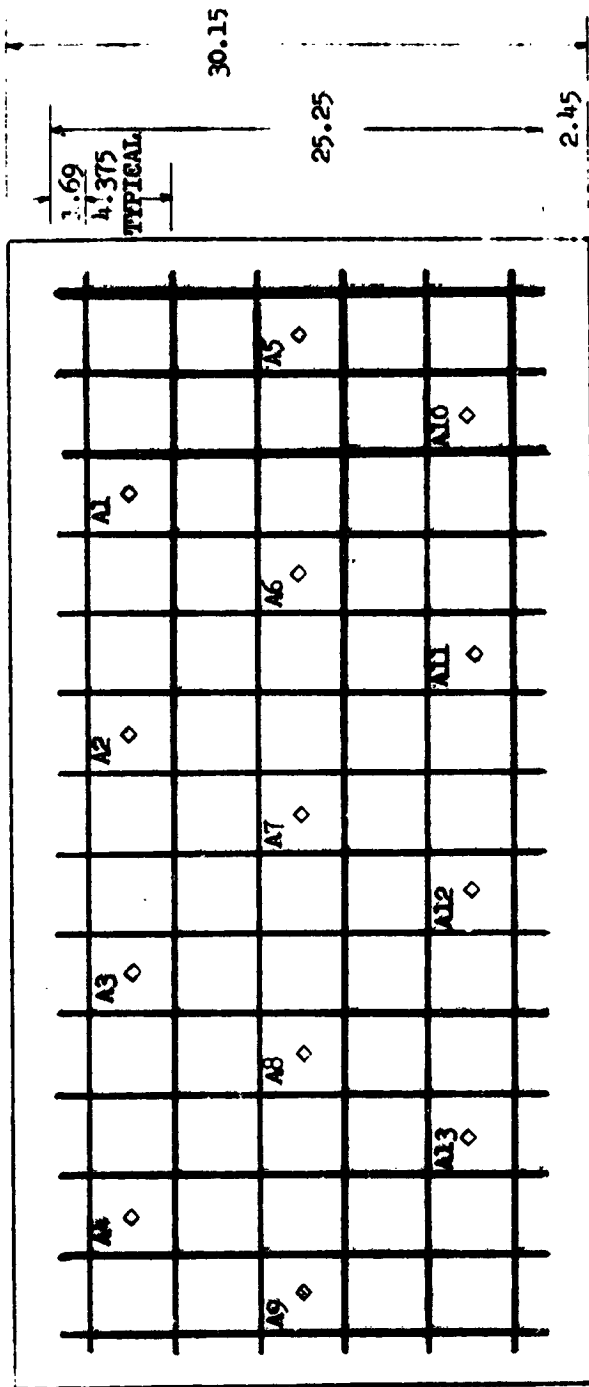
- ALL DIMENSIONS
IN INCHES
- A14, A15, AND A16
ARE ACCELEROMETERS



$X = 0$

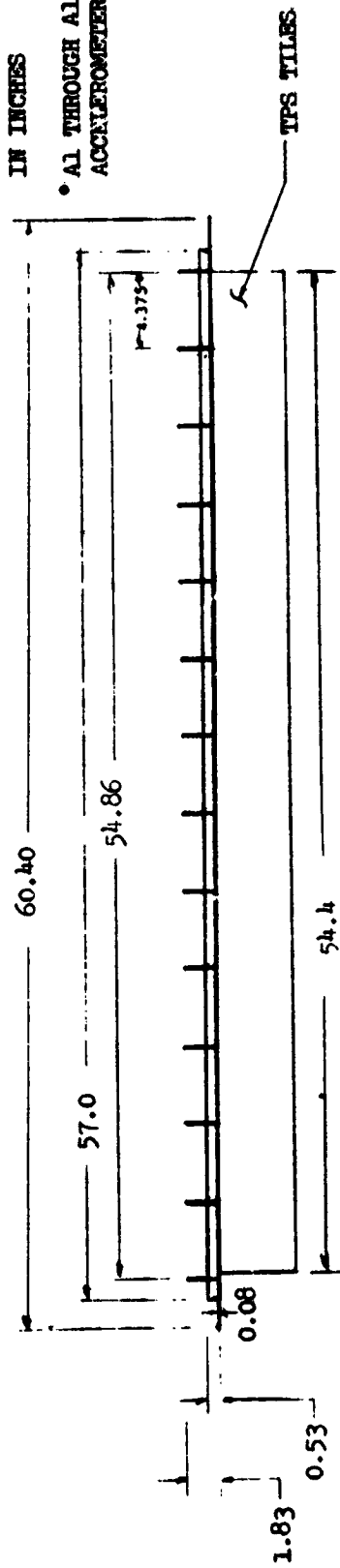


b. Rigid Panel, PA2
Figure 2. Continued.

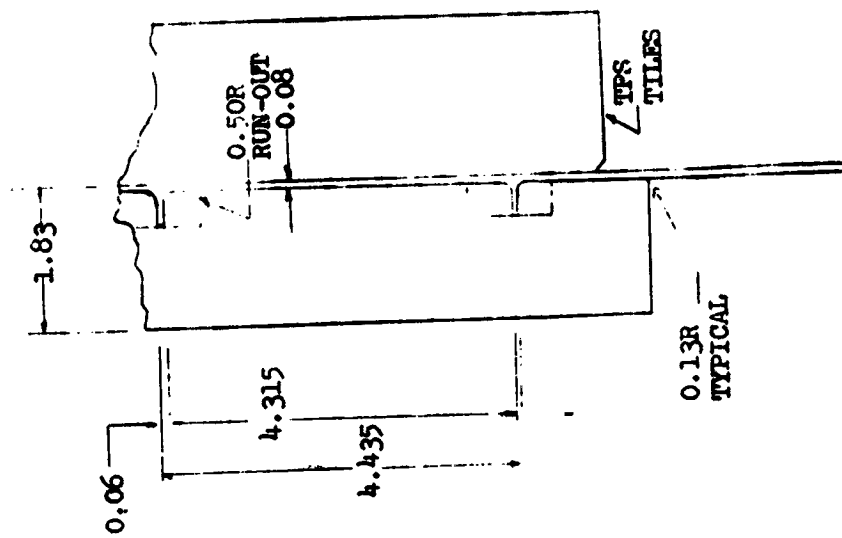


• ALL DIMENSIONS
IN INCHES

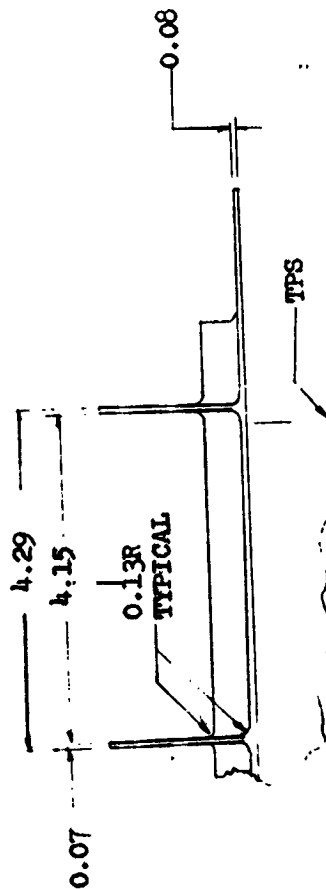
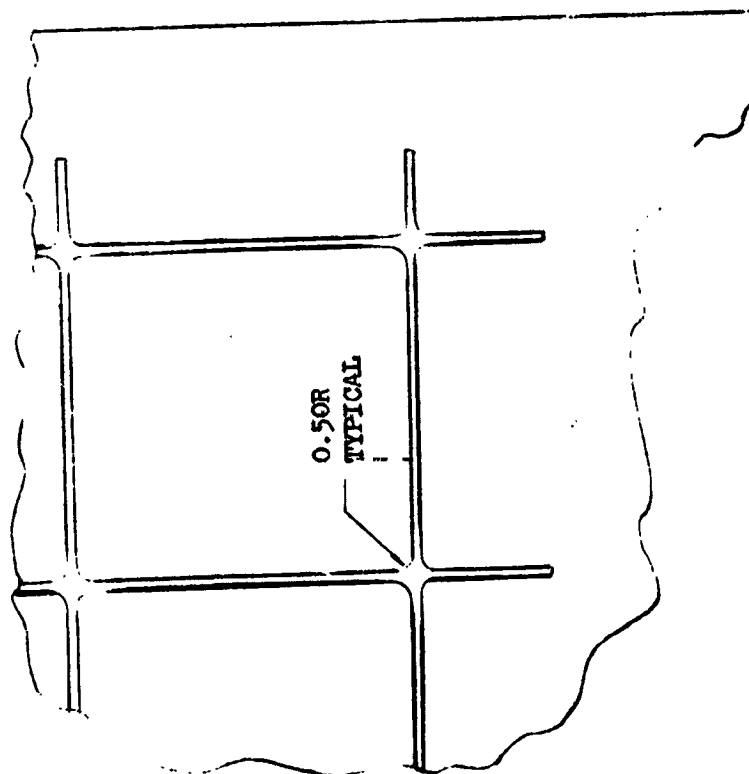
• A1 THROUGH A13 ARE
ACCELEROMETERS



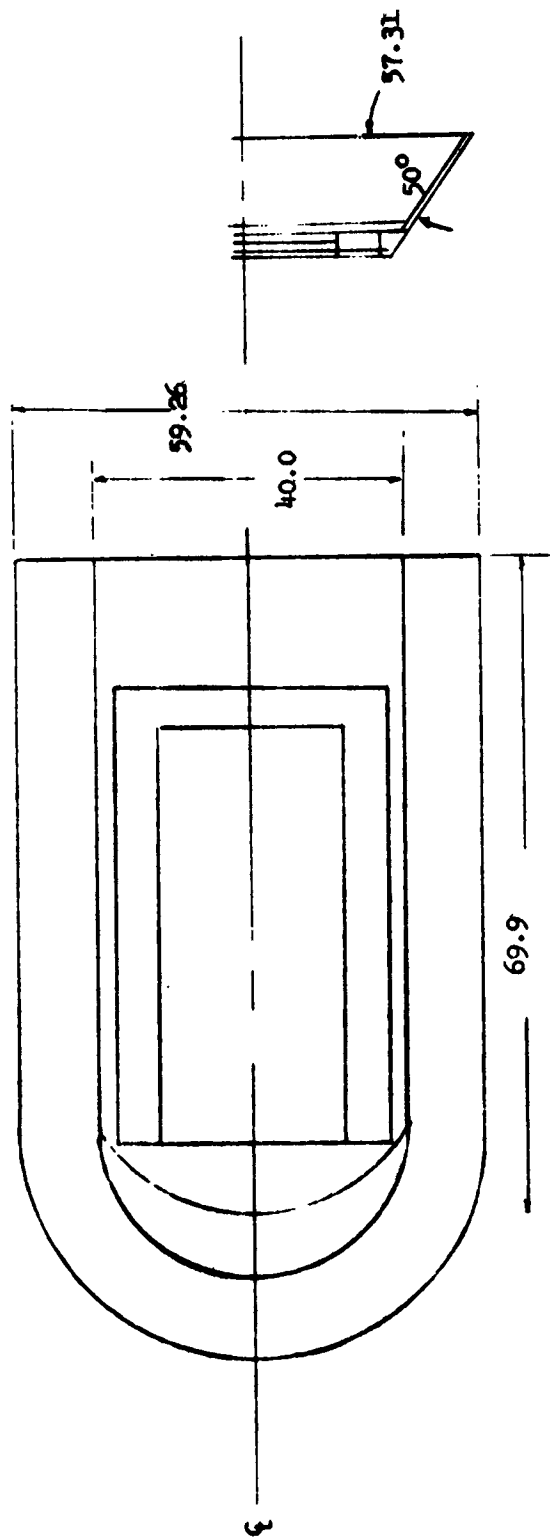
c. Flexible Panel (PAL) Lower Surface
Figure 2. Continued.



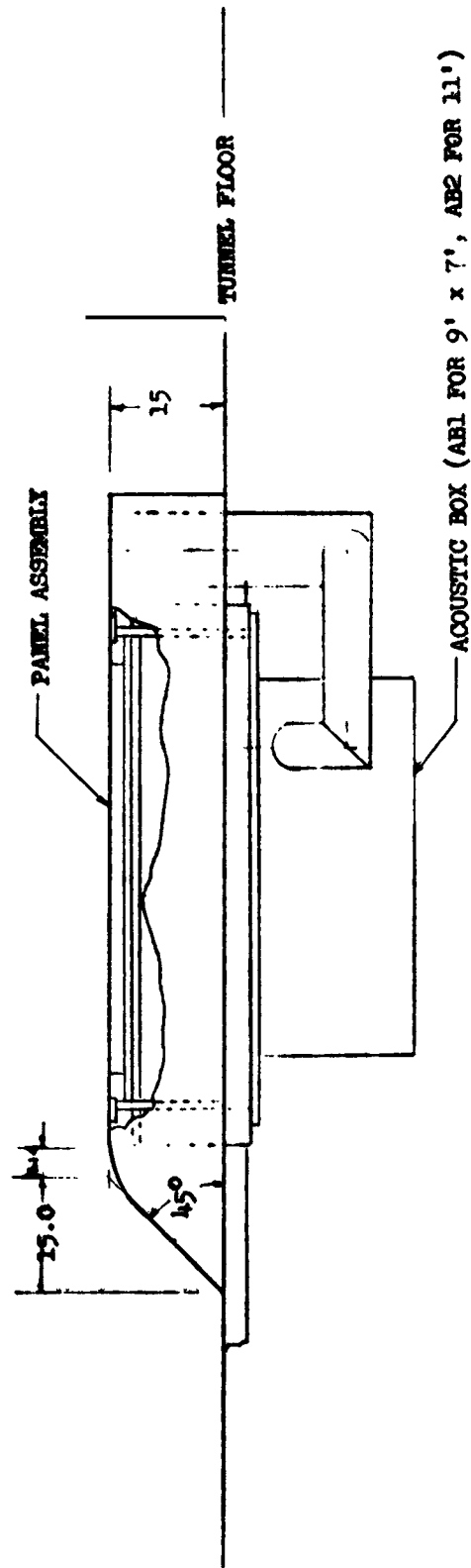
ALL DIMENSIONS
IN INCHES



d. Detail of Flexible Panel Lower Surface
Figure 2. Continued.

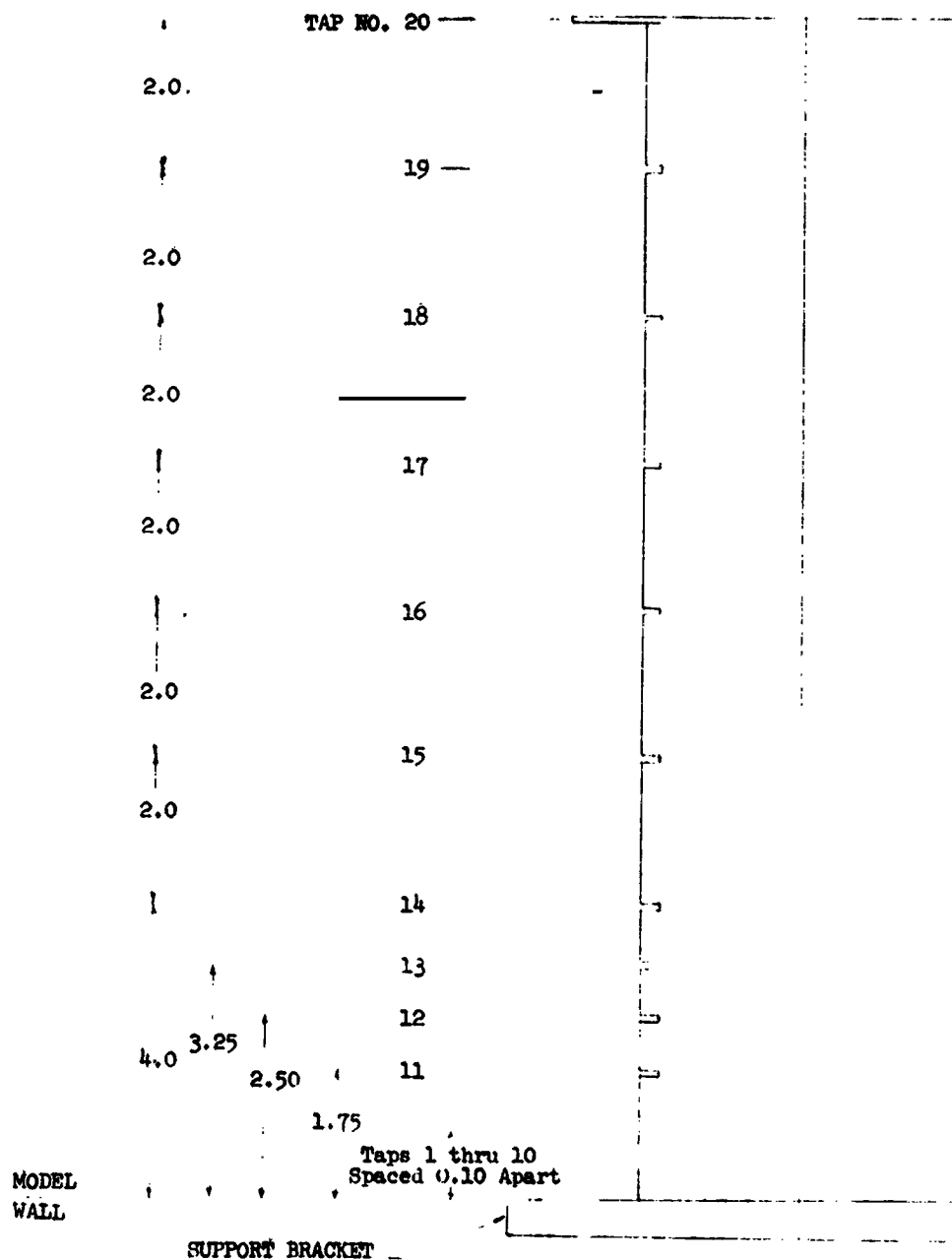
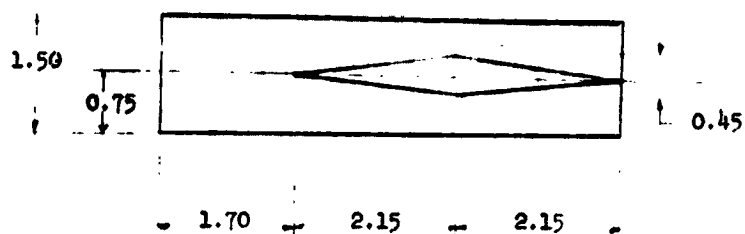


ALL DIMENSIONS
IN INCHES

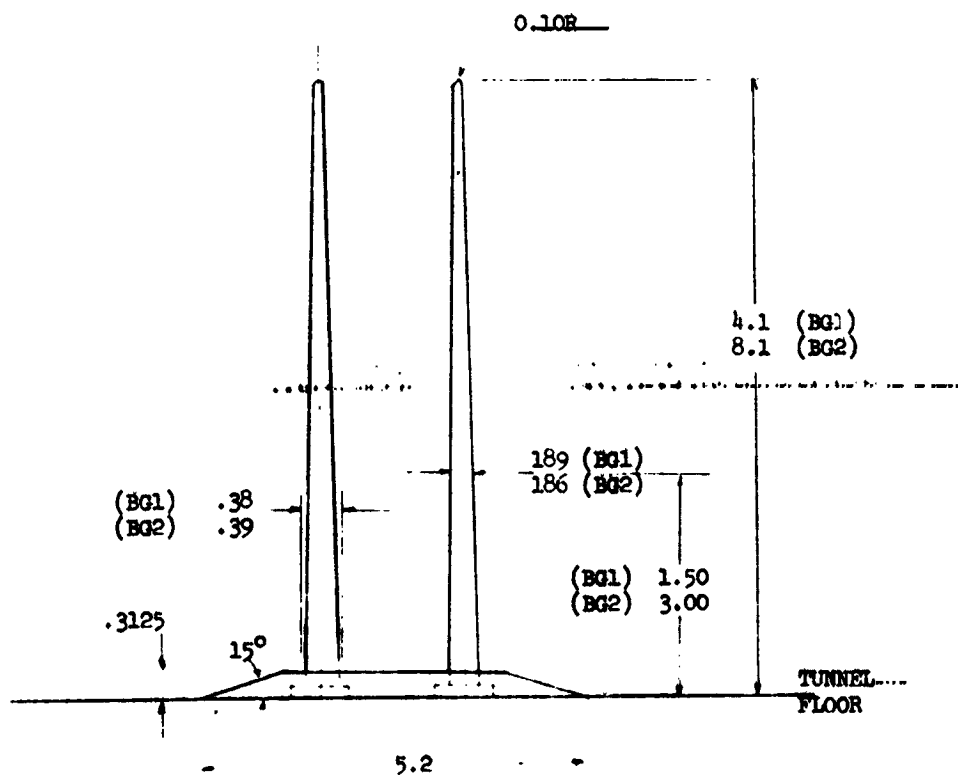
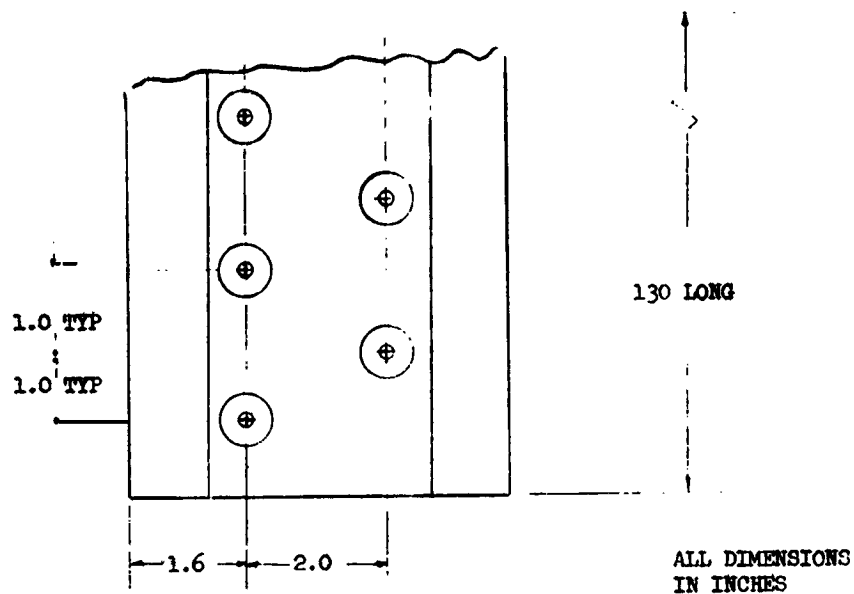


e. Expansion Shock Fixture (SF1) Assembly
Figure 2. Continued.

ALL DIMENSIONS
IN INCHES

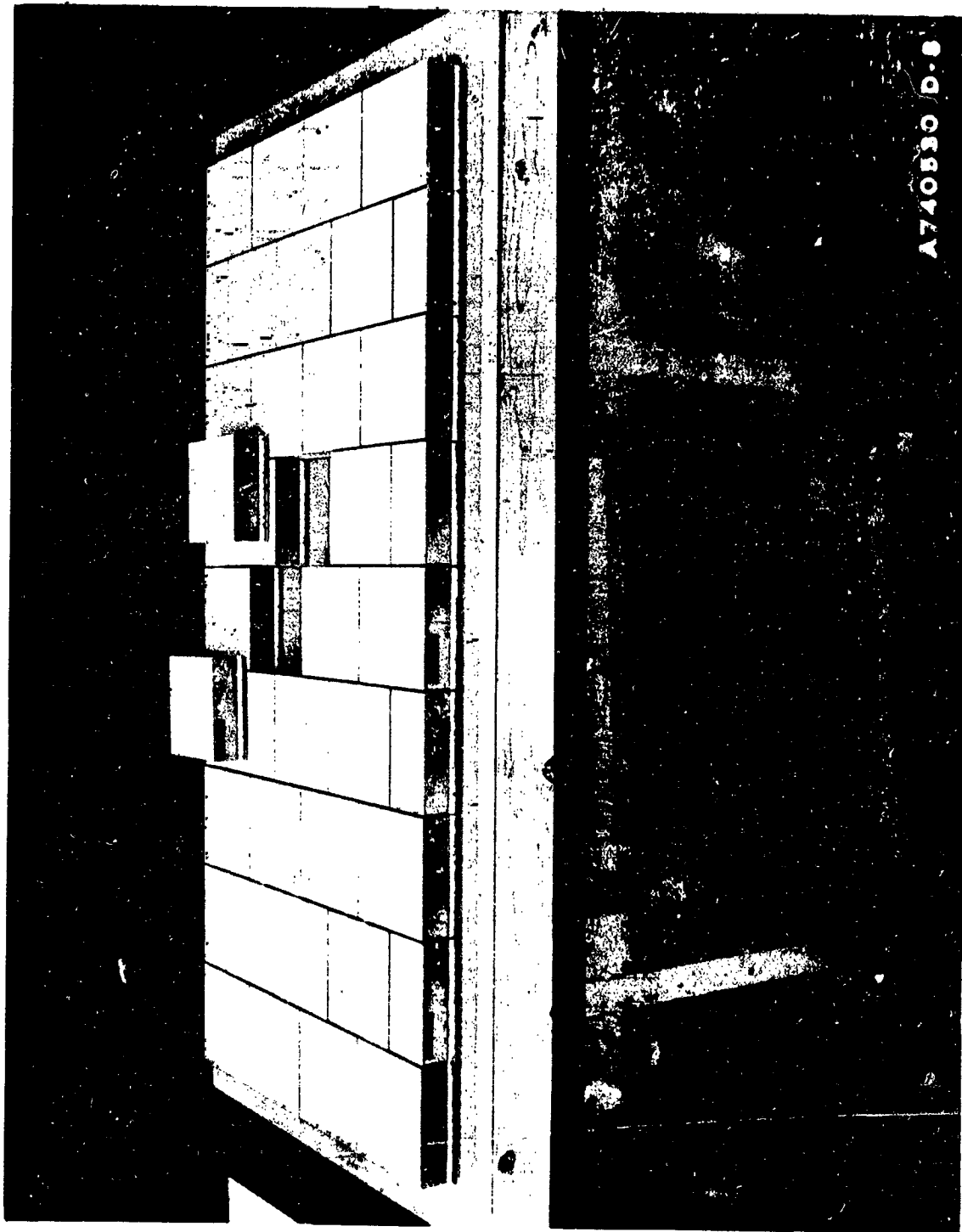


f. Boundary Layer Rake, BR1
Figure 2. Continued.

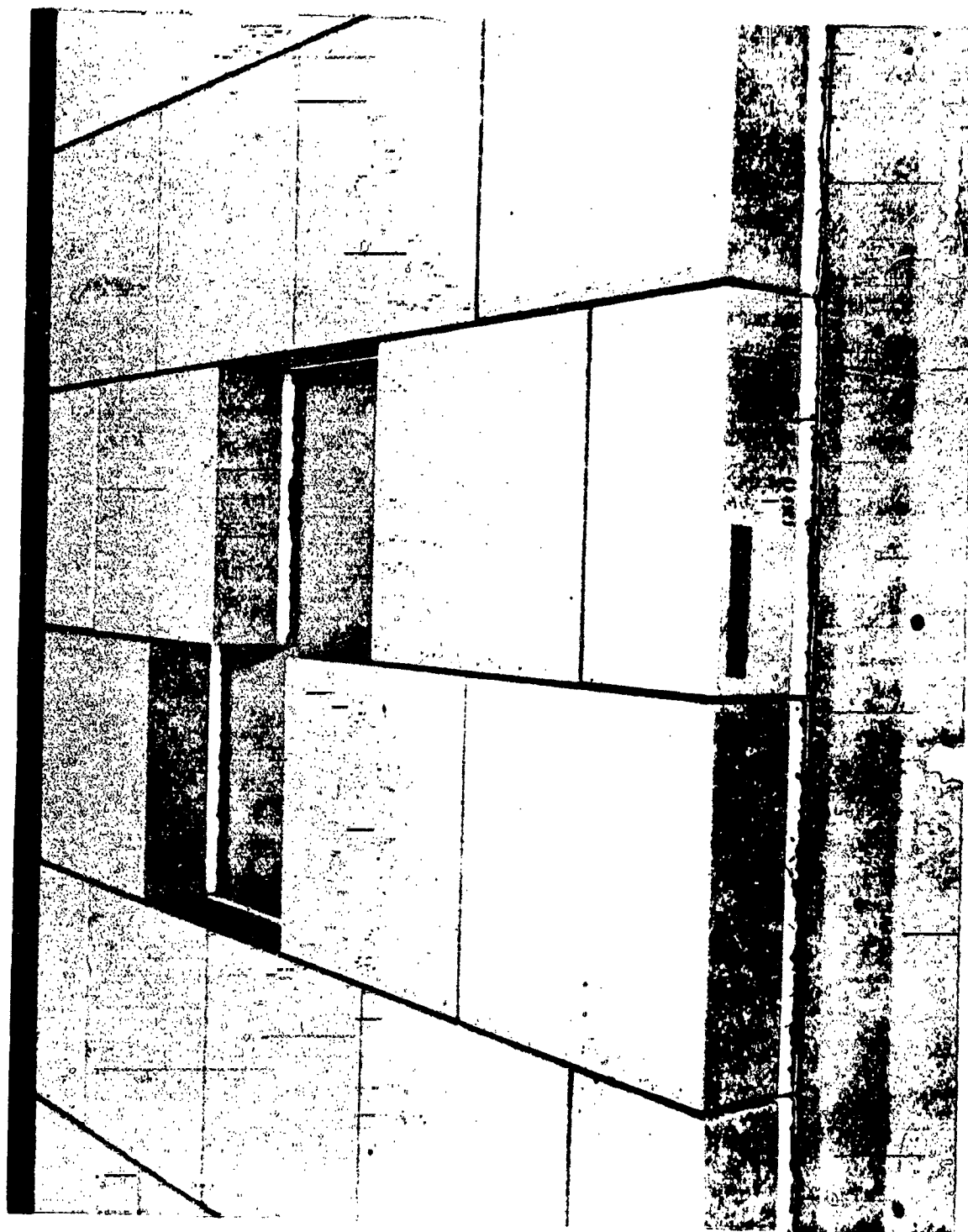


α. Turbulence Generators
Figure 2. Concluded.

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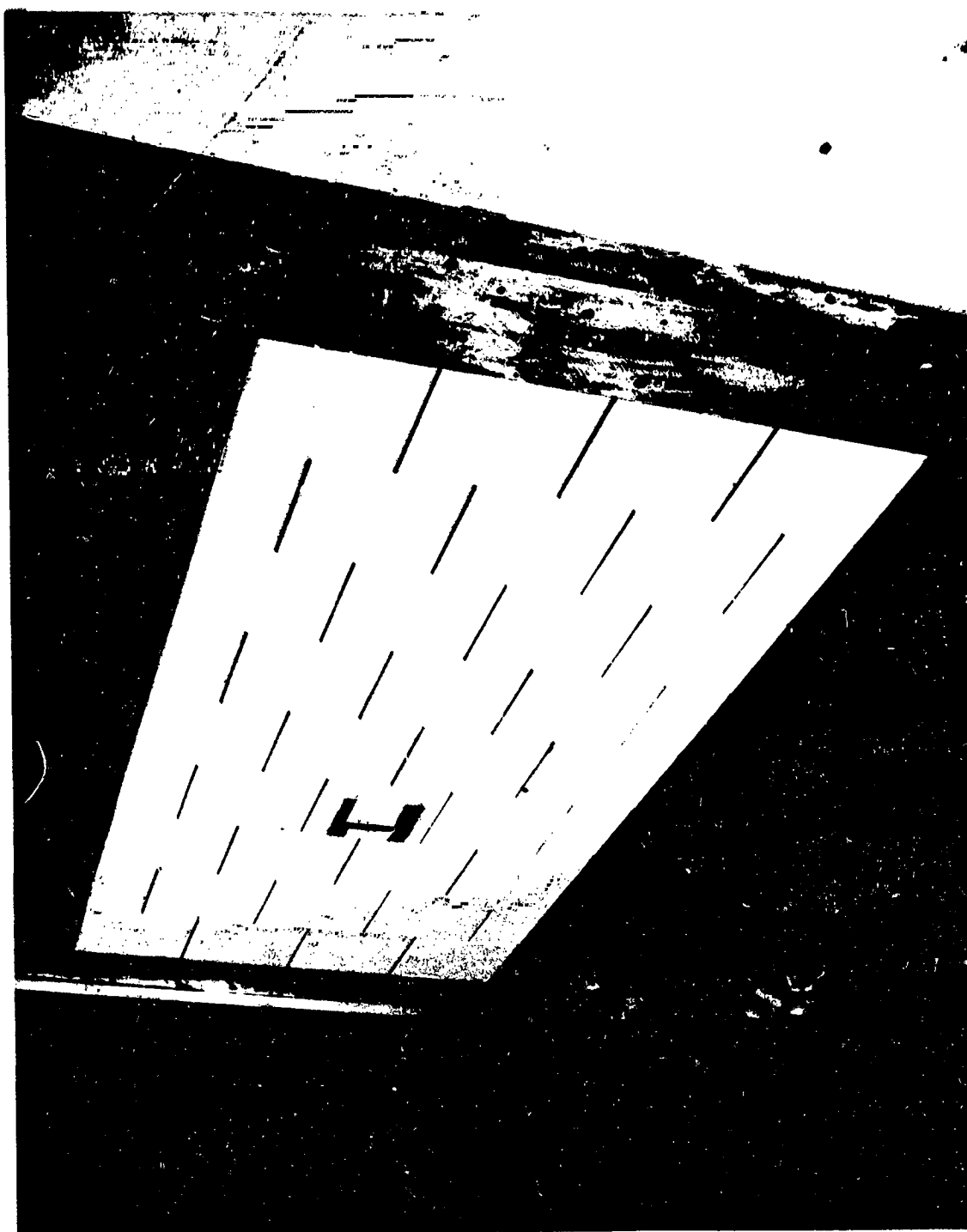


a. RCS Tile Configuration
Figure 3. Model photographs.

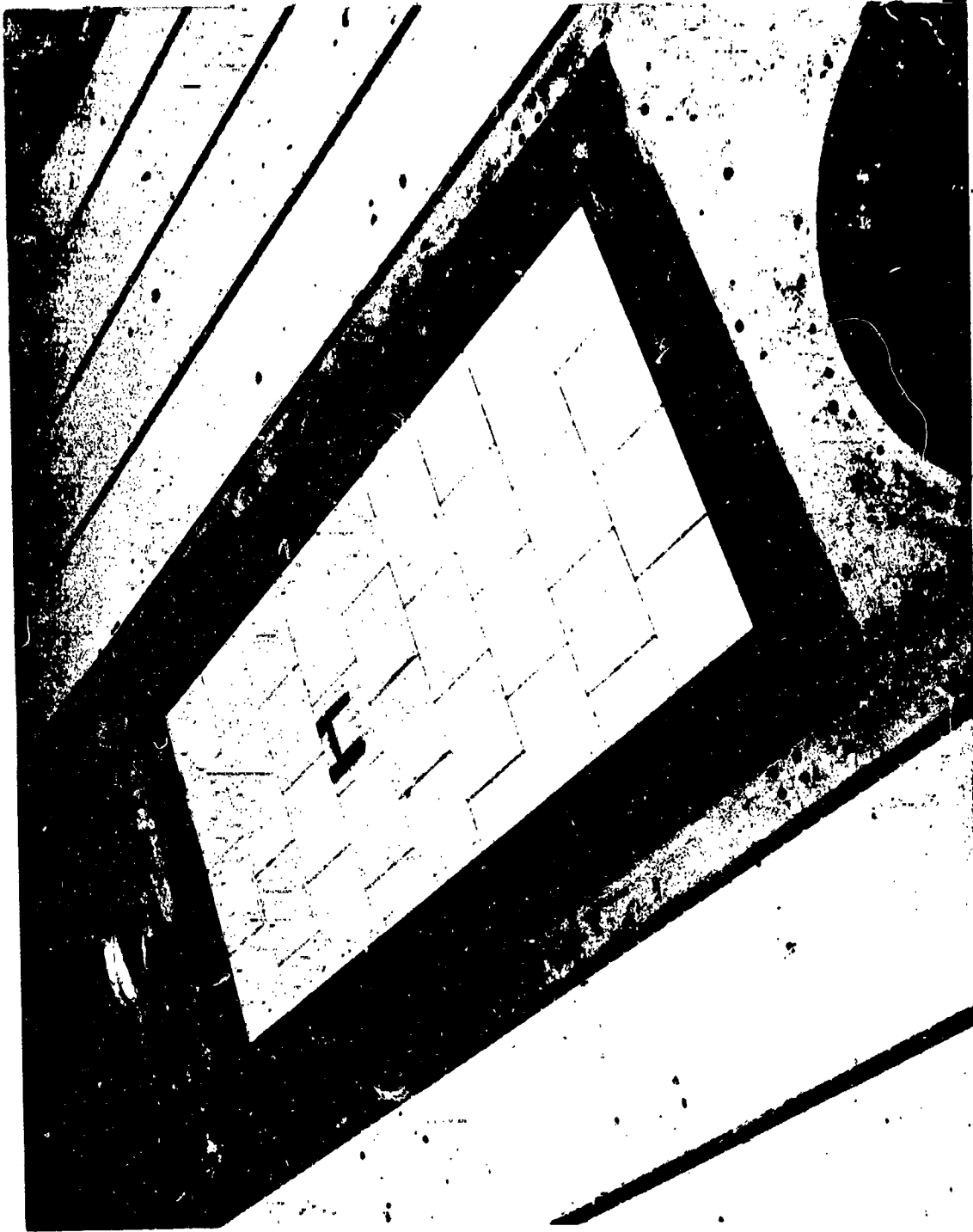


b. Close-up of RCS Tiles
Figure 3. Continued.

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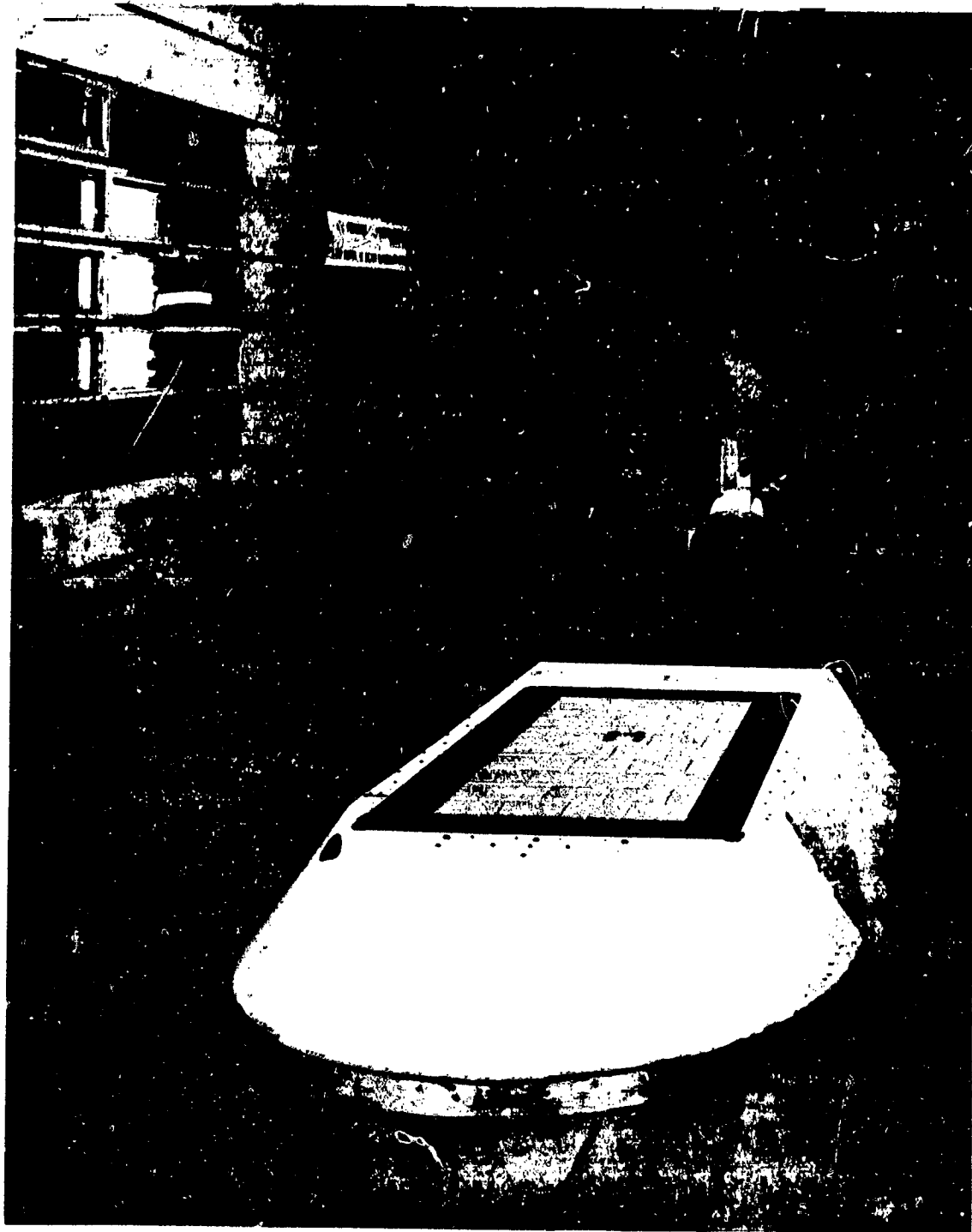


c. Elastic Panels Flush Mounted in the 9' x 7' Tunnel Ceiling
with Compression Shock Fixture Deflected
Figure 3. Continued.

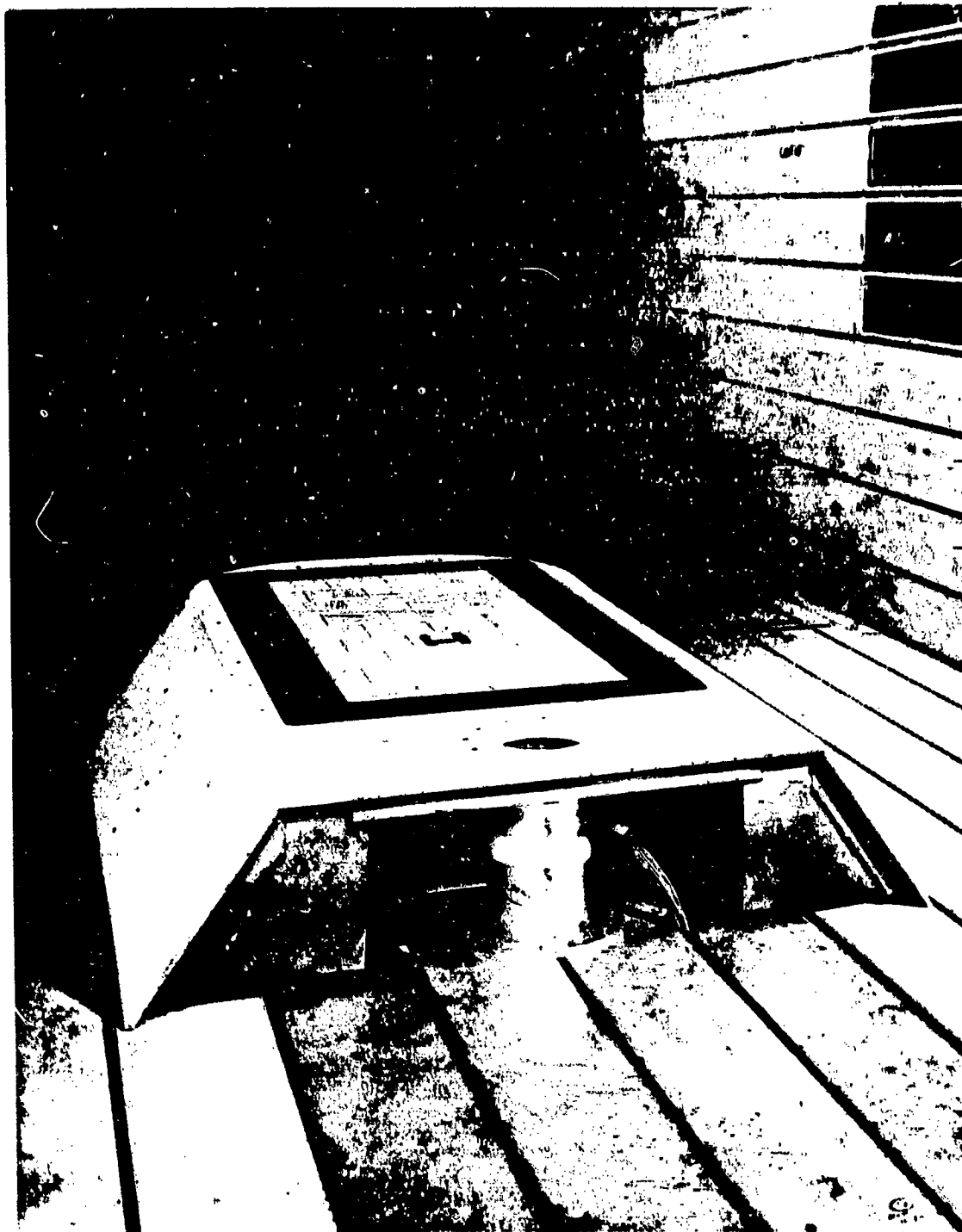


d. Plastic Panel Flush Mounted on the 11' Tunnel Floor
Figure 3. Continued.

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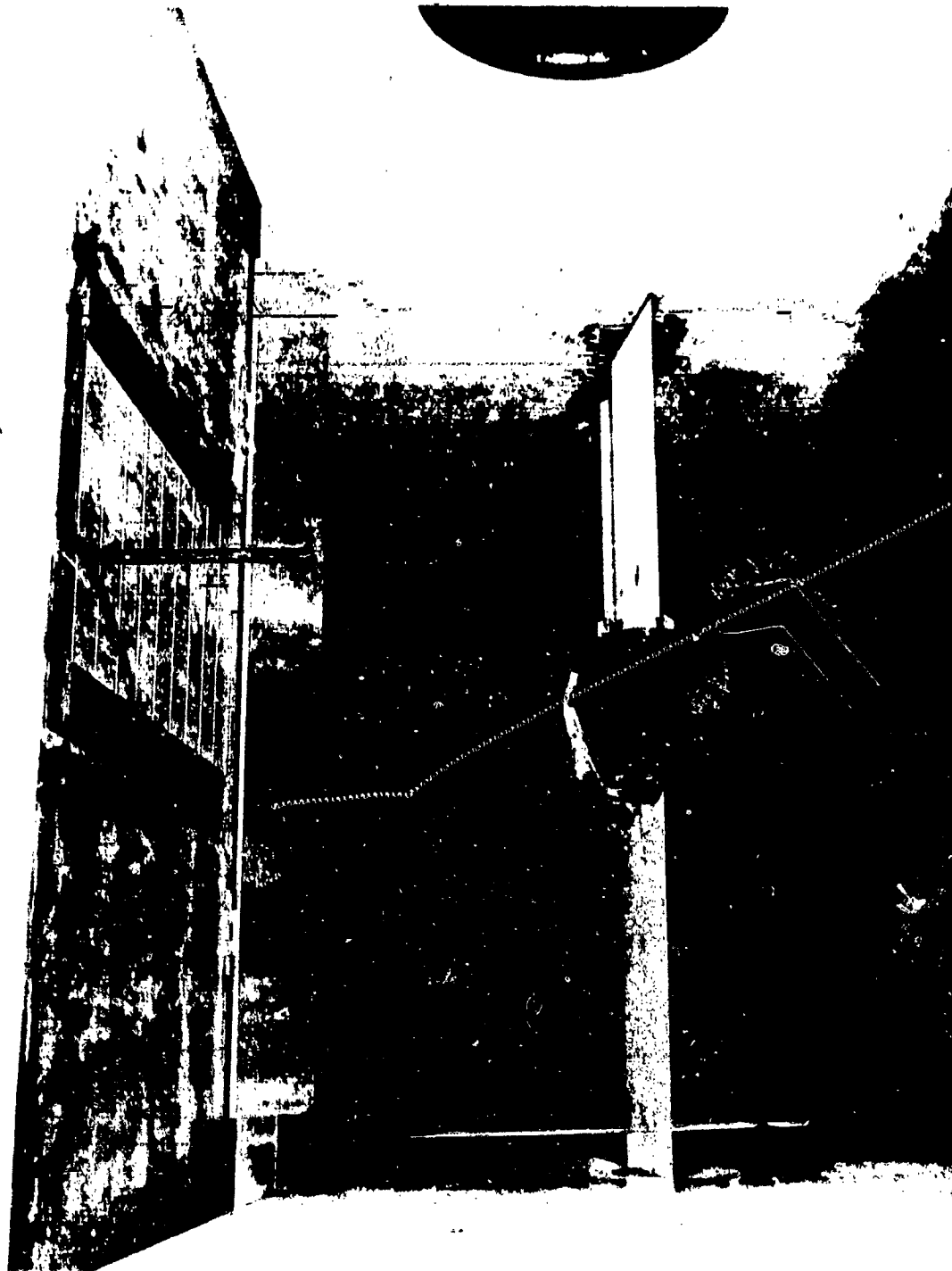


e. Front View of Elastic Panel Mounted on the
Shock Expansion Fixture in the 11' Tunnel
Figure 3. Continued.

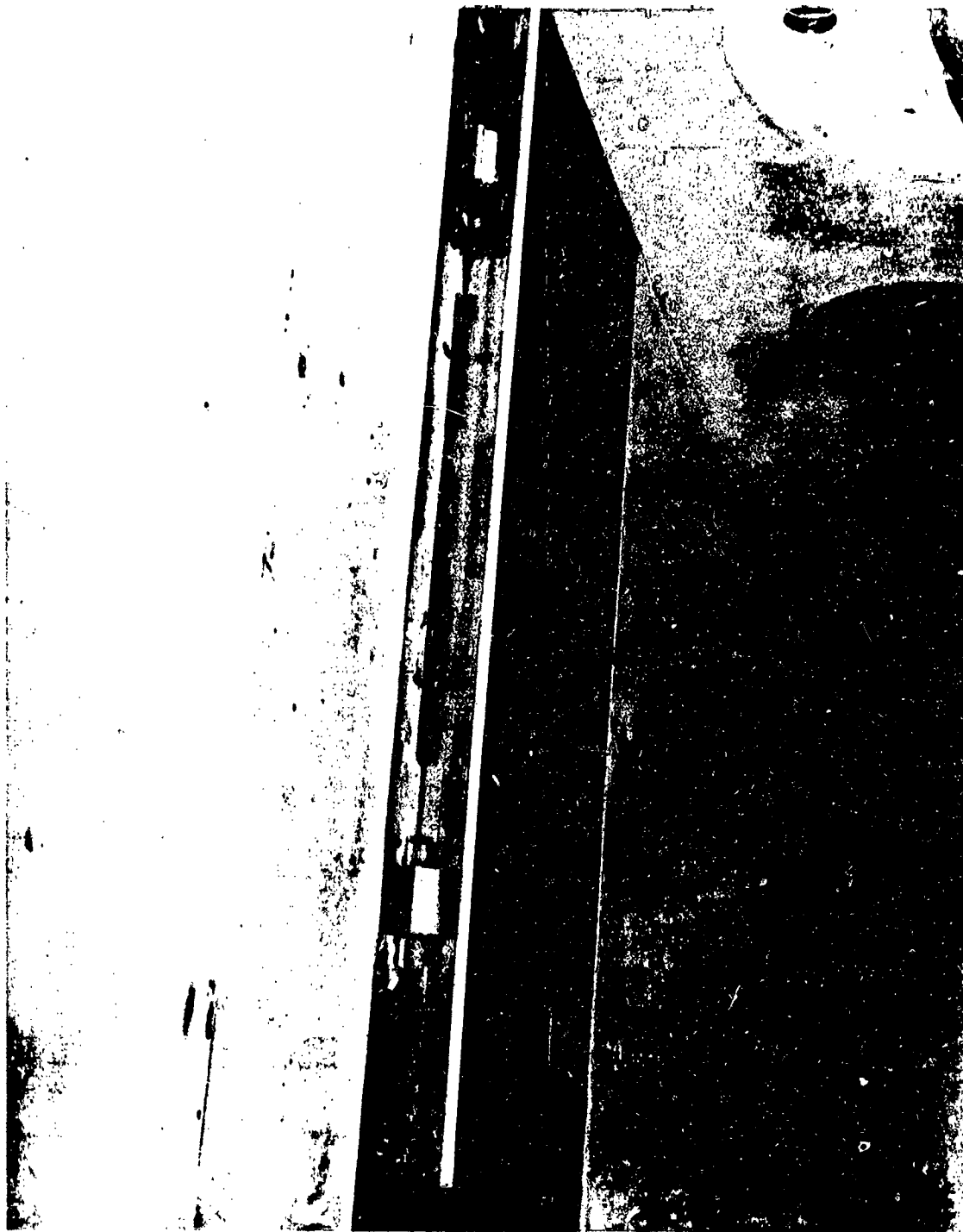


f. Rear View of Elastic Panel Mounted on the Shock Expansion Fixture in the 11' Tunnel
Figure 3. Continued.

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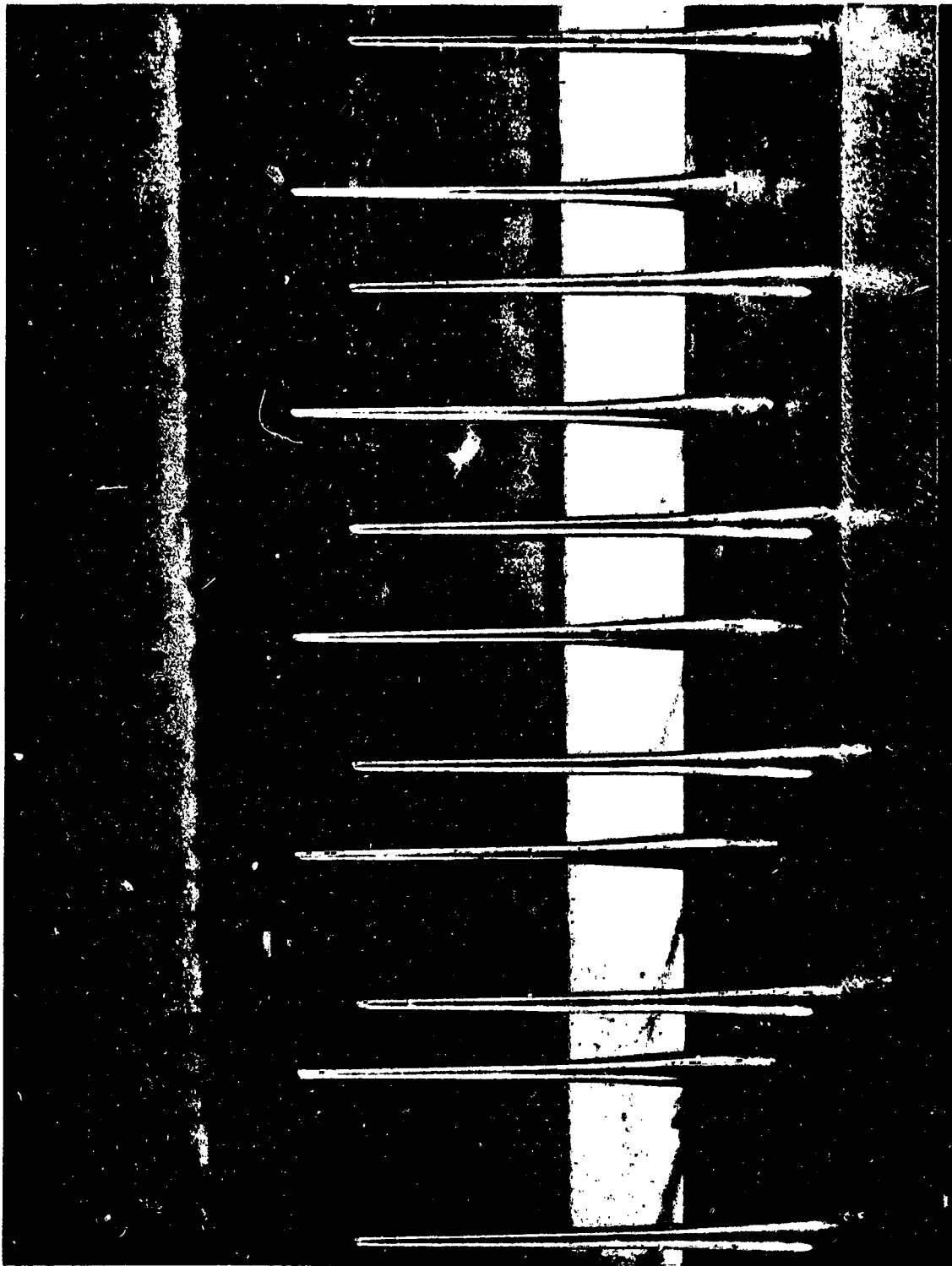
g. Front View of Dummy Panel Flush Mounted on the 9' x 7' Tunnel Ceiling with Boundary Layer Rake in the Forward Position and Compression Stack Fixture Deflected
Figure 3. Continued.



h. Rear View of Dummy Panel Flush Mounted on the 9' x 7' Tunnel Ceiling with Boundary Layer Rake in the Forward Position and Compression Shock Fixture Deflected
Figure 3. Continued.



i. Dummy Panel Flush Mounted on the 11' Tunnel Floor with Boundary Layer Rake in the Air Position
Figure 3. Continued.



J. Close-up of the 4-inch High Boundary Layer Thickening Device Mounted on the 11' Tunnel Floor
Figure 3. Continued.

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b. Dummy Calibration Panel Mounted on the 11' Tunnel Floor with Boundary Layer Rake
in the Aft Position and 8-inch High Boundary Layer Thickening Device
Figure 3. Concluded.

DATA FIGURES

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 1BEX0011 O AYES 11-97-010 MSBA.B PA3 * BRA
 1BEX0021 O AYES 11-97-010 CSBA.B PA3 * BRA
 1BEX0022 O AYES 11-97-010 CSBA.B PA3 * BRA

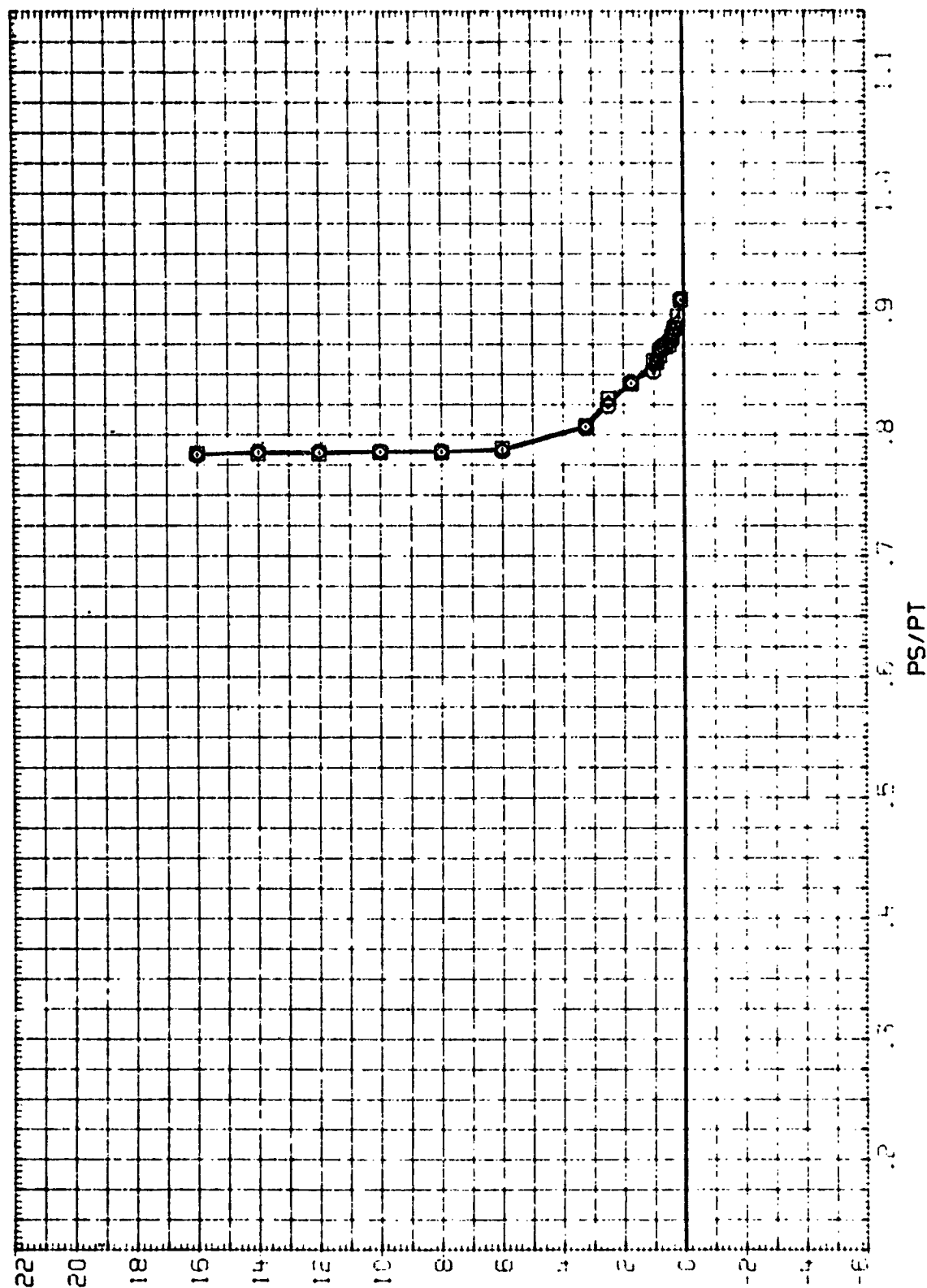


FIG. 4 REPEATABILITY,CLEAR TUNNEL,RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX001)	□	AMES 11-97-010 OS8A,B PA3 + BRA
(BEX002)	◇	AMES 11-97-010 OS8A,B PA3 + BPA
(BEX003)	△	AMES 11-97-010 OS8A,B PA3 + BRA
(BEX043)	△	AMES 11-97-010 OS8A,B PA3 + BRA

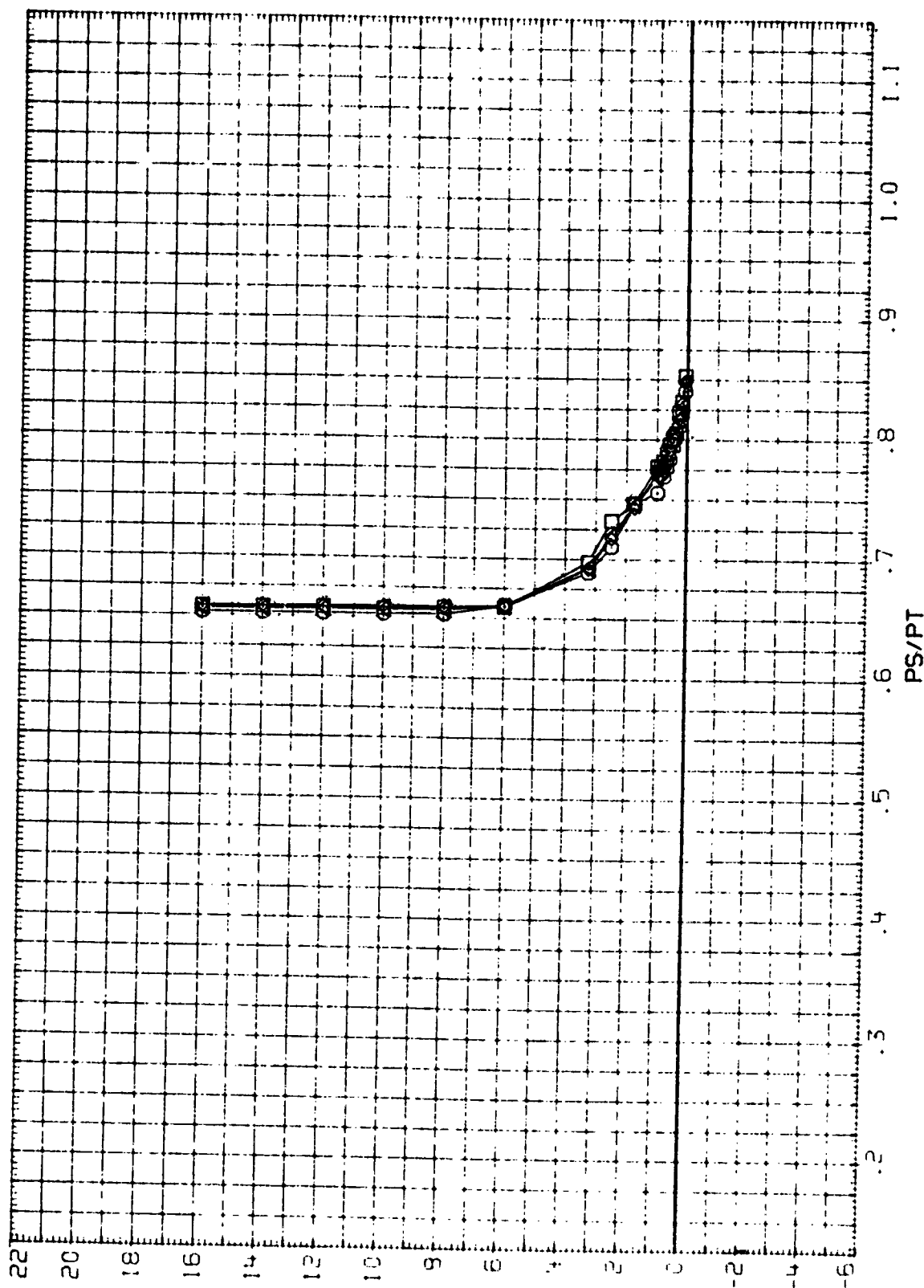


FIG. 4 REPEATABILITY, CLEAR TUNNEL, RAKE IN AFT POSITION

(A)MACH - .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
1BEX0021	○	AMES 11-97-010 OS8A.B PA3 + BRA
1BEX0031	□	AMES 11-97-010 OS8A.B PA3 + BPA
1BEX0044	◇	AMES 11-97-010 OS8A.B PA3 + BRA

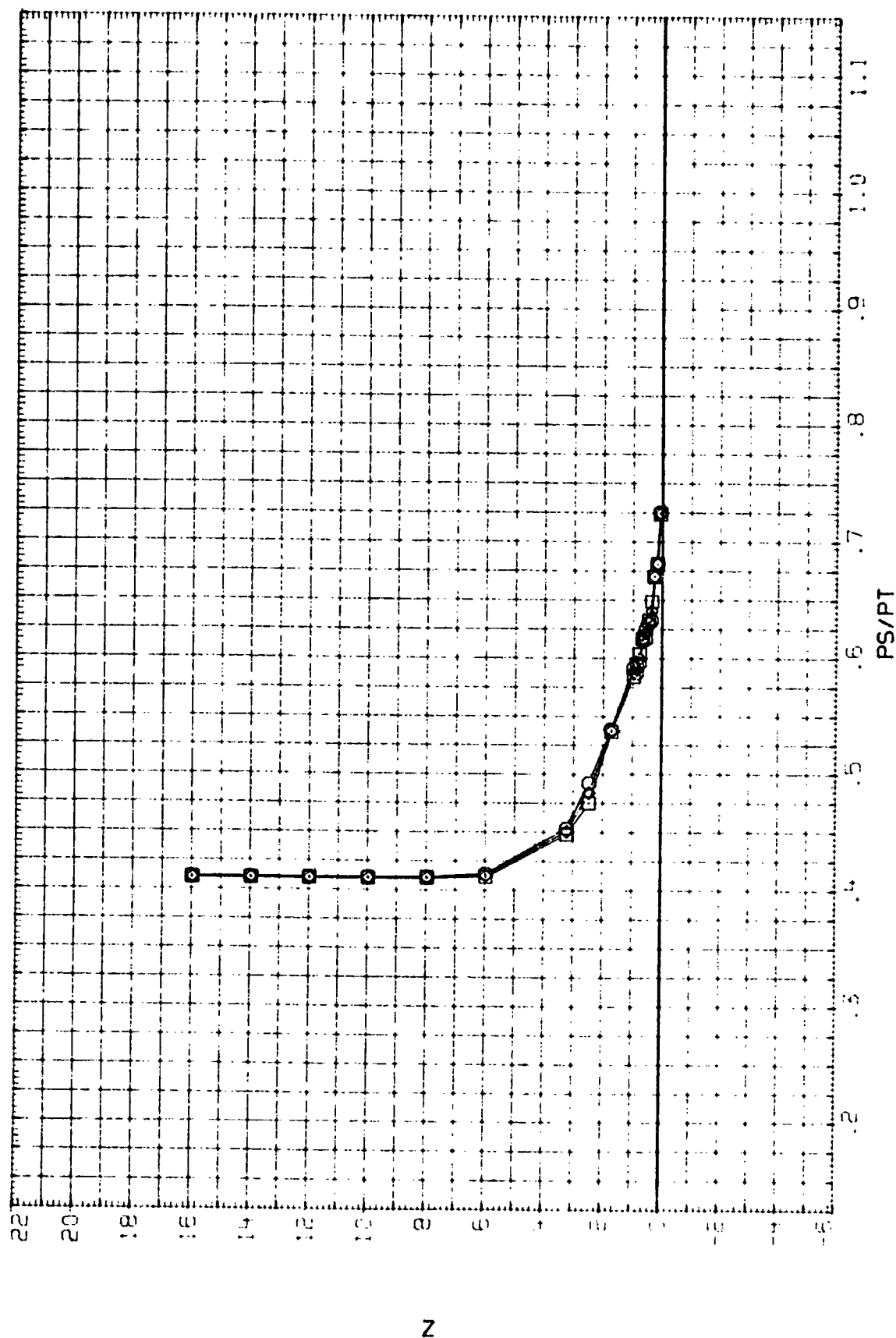


FIG. 4 REPEATABILITY, CLEAR TUNNEL, RAKE IN AFT POSITION

(BEX037) AMES 11-97-010 OS8A.B PA3 + BRA

SYMBOL MACH
 O 1.599
 1.205
 1.031
 .803
 .598

PARAMETRIC VALUES
 PL POS 12.283

2.000

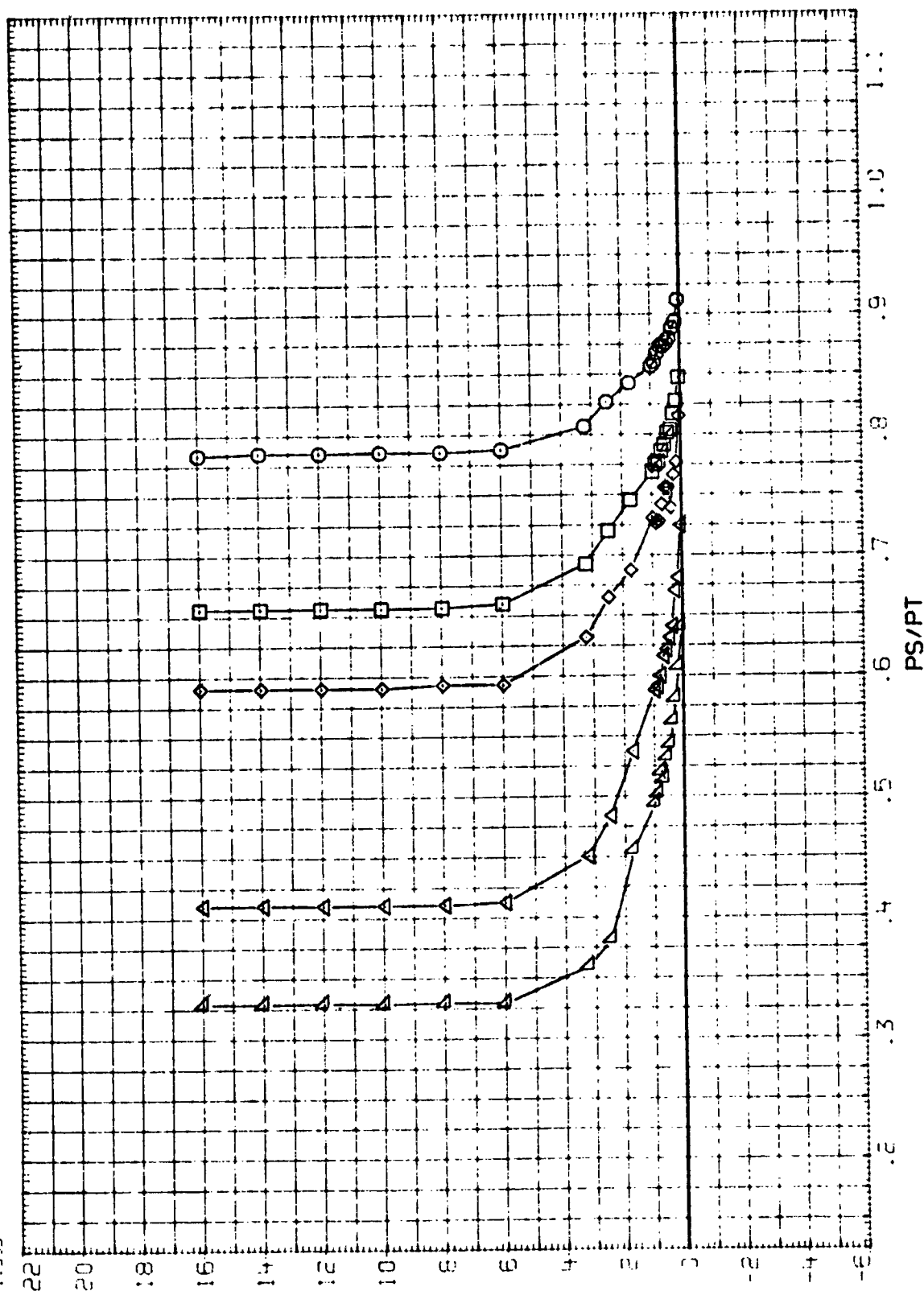


FIG. 5 EFFECT OF MACH,NORMAL BOUNDARY LAYER,RAKE IN AFT POSITION

(BEX004) AMES 11-97-010 OS8A.B PA3 + BRA + BG1
 SYMBOL MACH P1 BL POS BL POS
 12.280 2.000
 .601
 .804
 .903
 1.204
 1.500

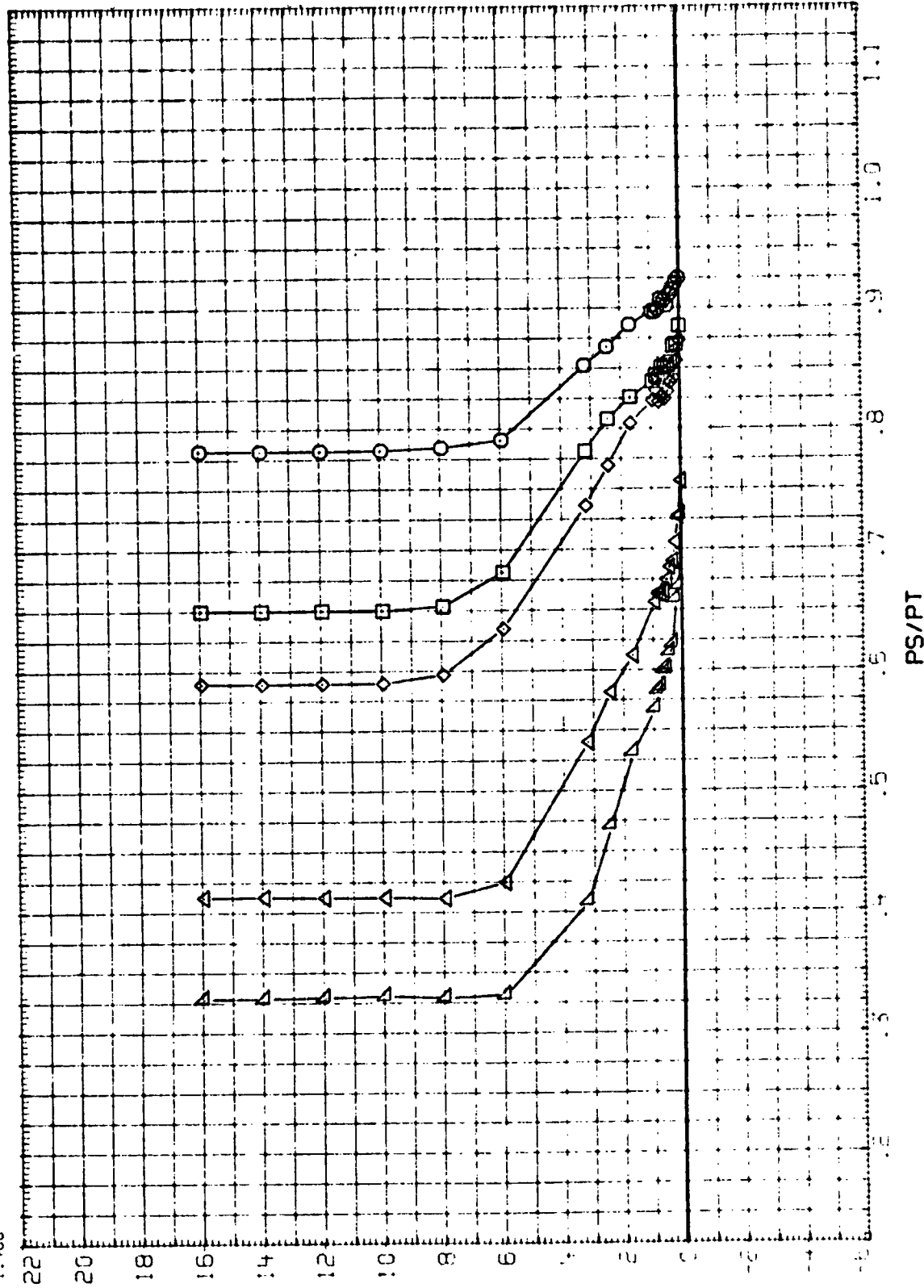


FIG. 5 EFFECT OF MACH,NORMAL BOUNDARY LAYER,RAKE IN AFT POSITION

(BEX005) AMES 11-97-010 OS8A.8 PA3 + BRA + B02

SYMBOL MACH PT 12 280 5 POS 2.000
 O 1.598
 □ 1.801
 ◇ 1.839
 △ 1.876
 ▲ 1.889

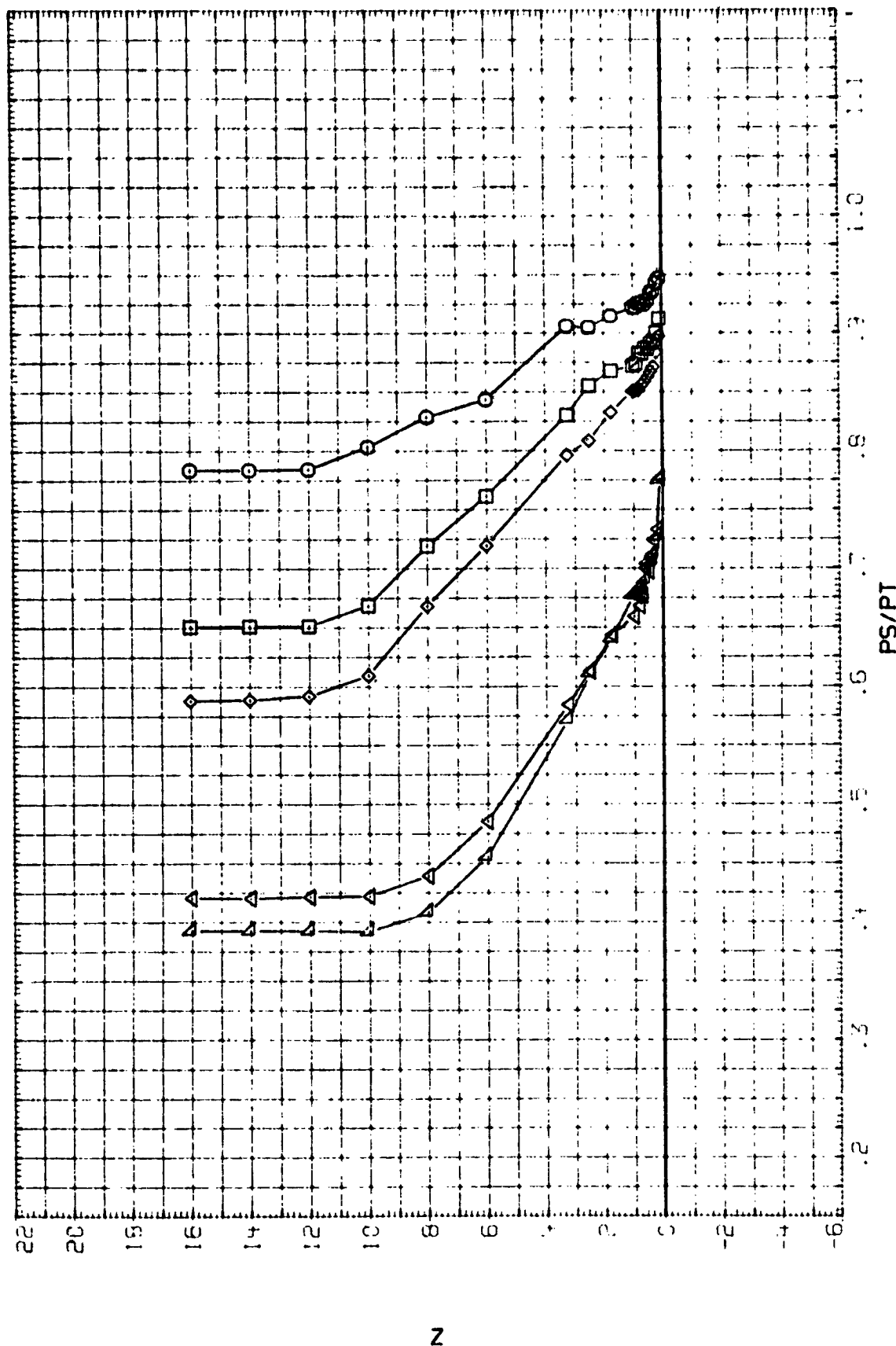


FIG. 5 EFFECT OF MACH,NORMAL BOUNDARY LAYER,RAKE IN AFT POSITION

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REX034) O AMES 11-97-010 OS8A.9 PA3 * BPA * BG1
 (REX035) O AMES 11-97-010 OS8A.9 PA3 * BPA * BG2
 (REX042) O AMES 11-97-010 OS8A.9 PA3 * BPA

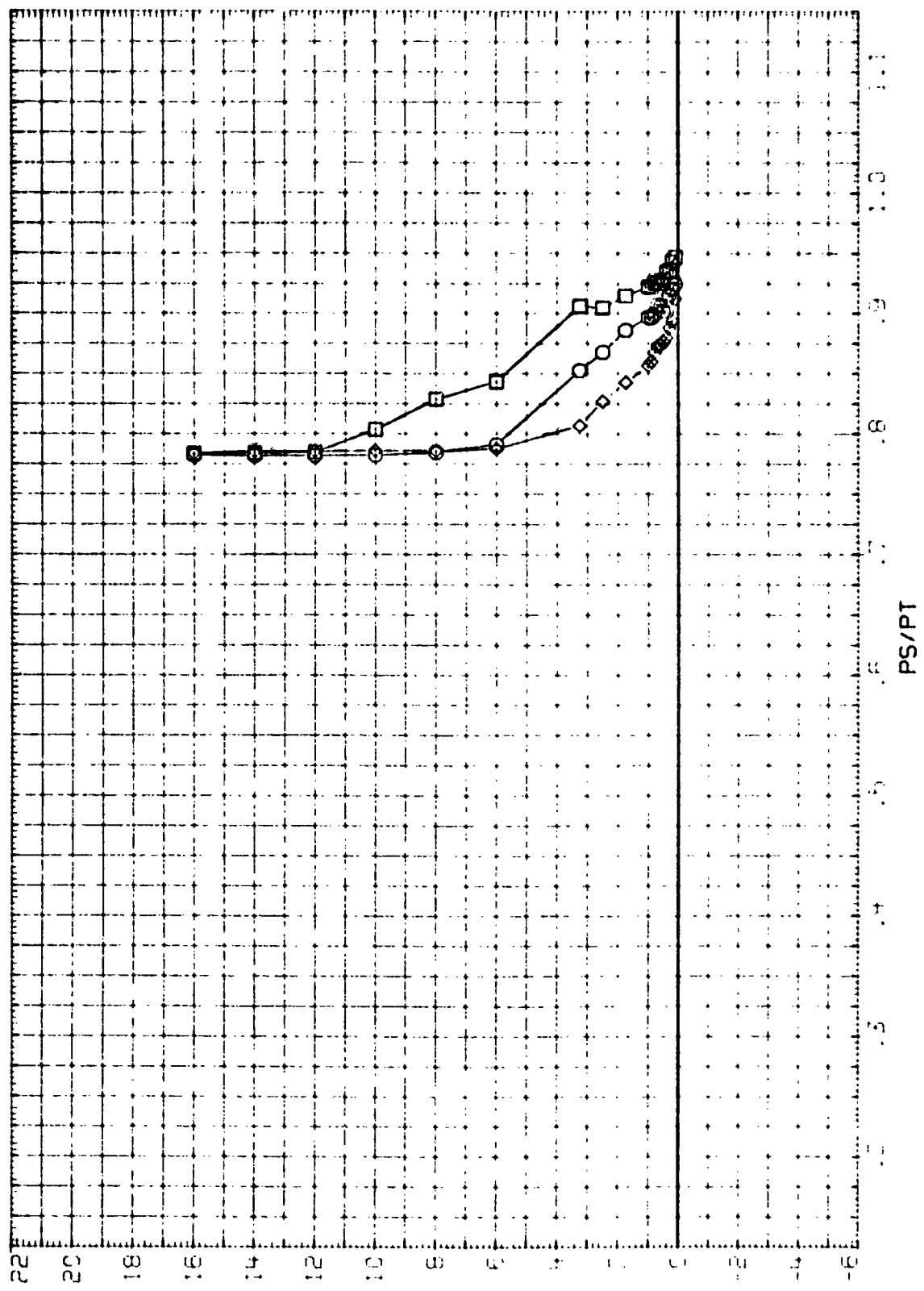


FIG 5 EFFECT OF THICKENING BOUNDARY LAYER,RAKE IN AFT POSITION

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BX043) AMES 11-97-010 OSBA.B PA3 + BRA
 (BX046) DATA NOT AVAILABLE
 (BX023) AMES 11-97-010 OSBA.B PA3 + BRA + BG1
 (BX025) AMES 11-97-010 OSBA.B PA3 + BRA + BG2
 (BX050) DATA NOT AVAILABLE

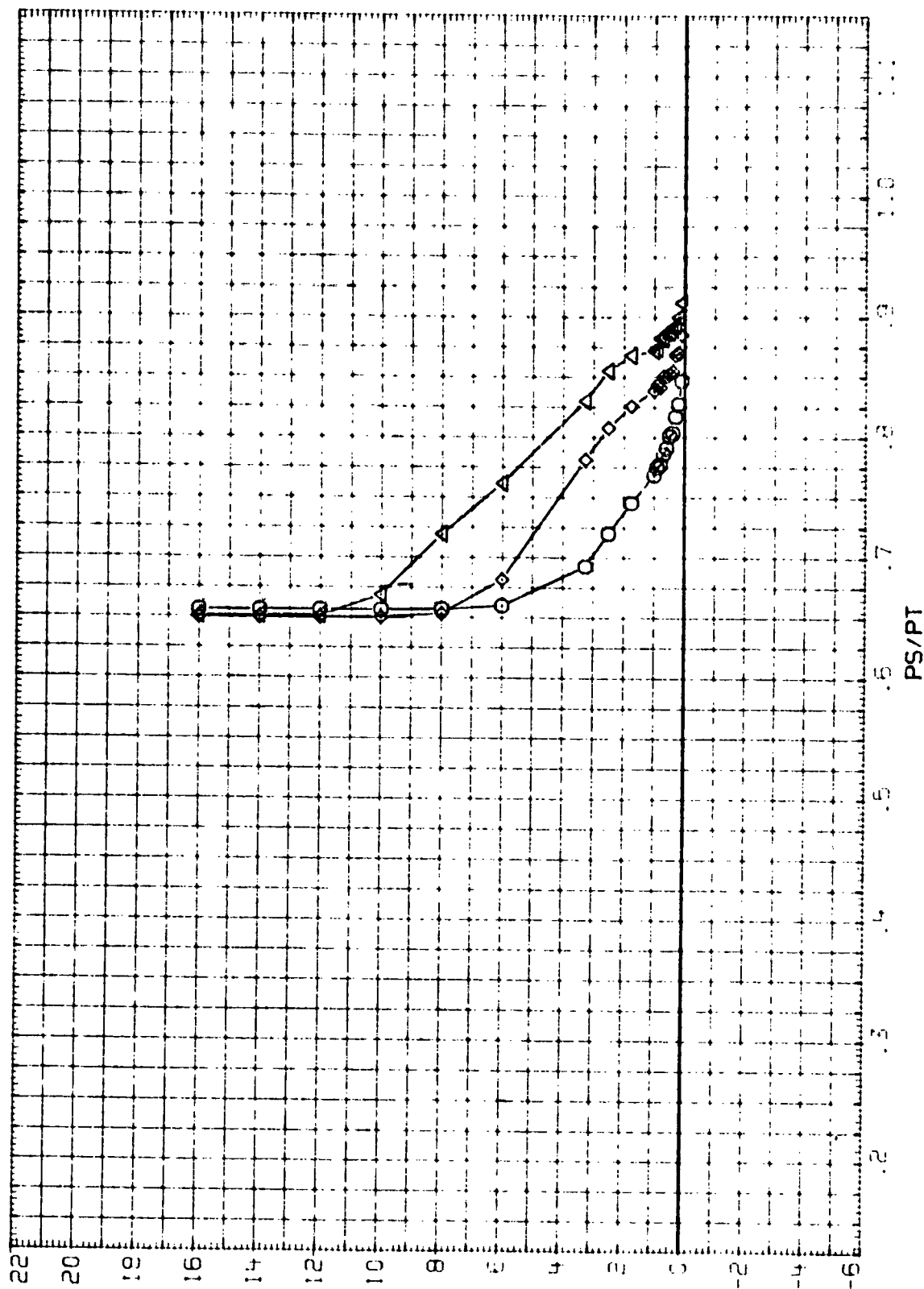


FIG 6 EFFECT OF THICKENING BOUNDARY LAYER,RAKE IN AFT POSITION

(A) MACH 0.80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BE4043)	○	DATA NOT AVAILABLE
(BE4044)	□	DATA NOT AVAILABLE
(BE4045)	△	AMES 11-97-310 C38A.B PA3 + BRA + BG1
(BE4046)	▽	AMES 11-97-310 C38A.B PA3 + BRA + BG2
(BE4047)	◇	AMES 11-97-310 C38A.B PA3 + BRA

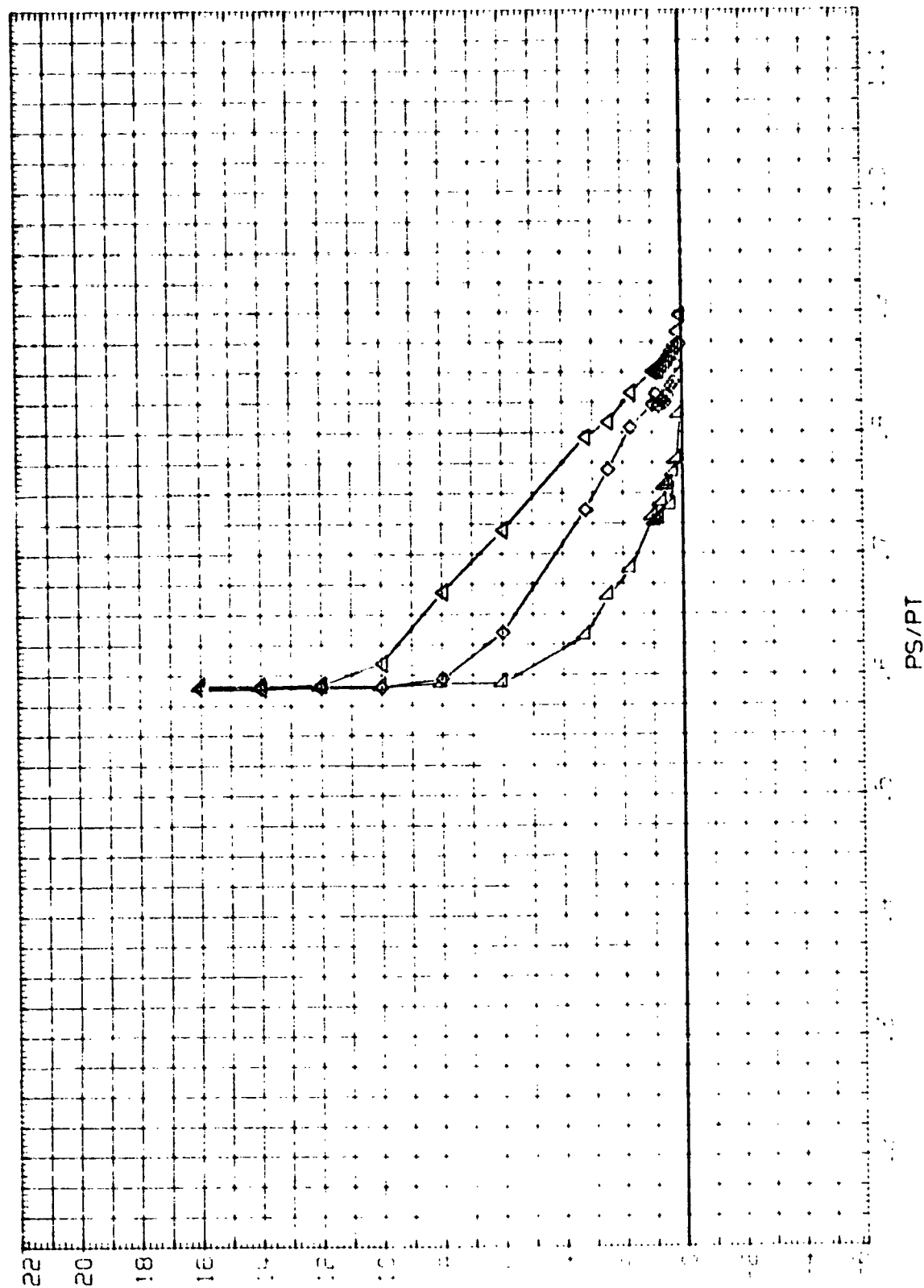


FIG 6 EFFECT OF THICKENING BOUNDARY LAYER,RAKE IN AFT POSITION

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX043) DATA NOT AVAILABLE
 (BEX044) AMES 11-97-010 OSBA.B PA3 + BRA + BG:
 (BEX045) AMES 11-97-010 OSBA.B PA3 + BRA + BG:
 (BEX053) DATA NOT AVAILABLE

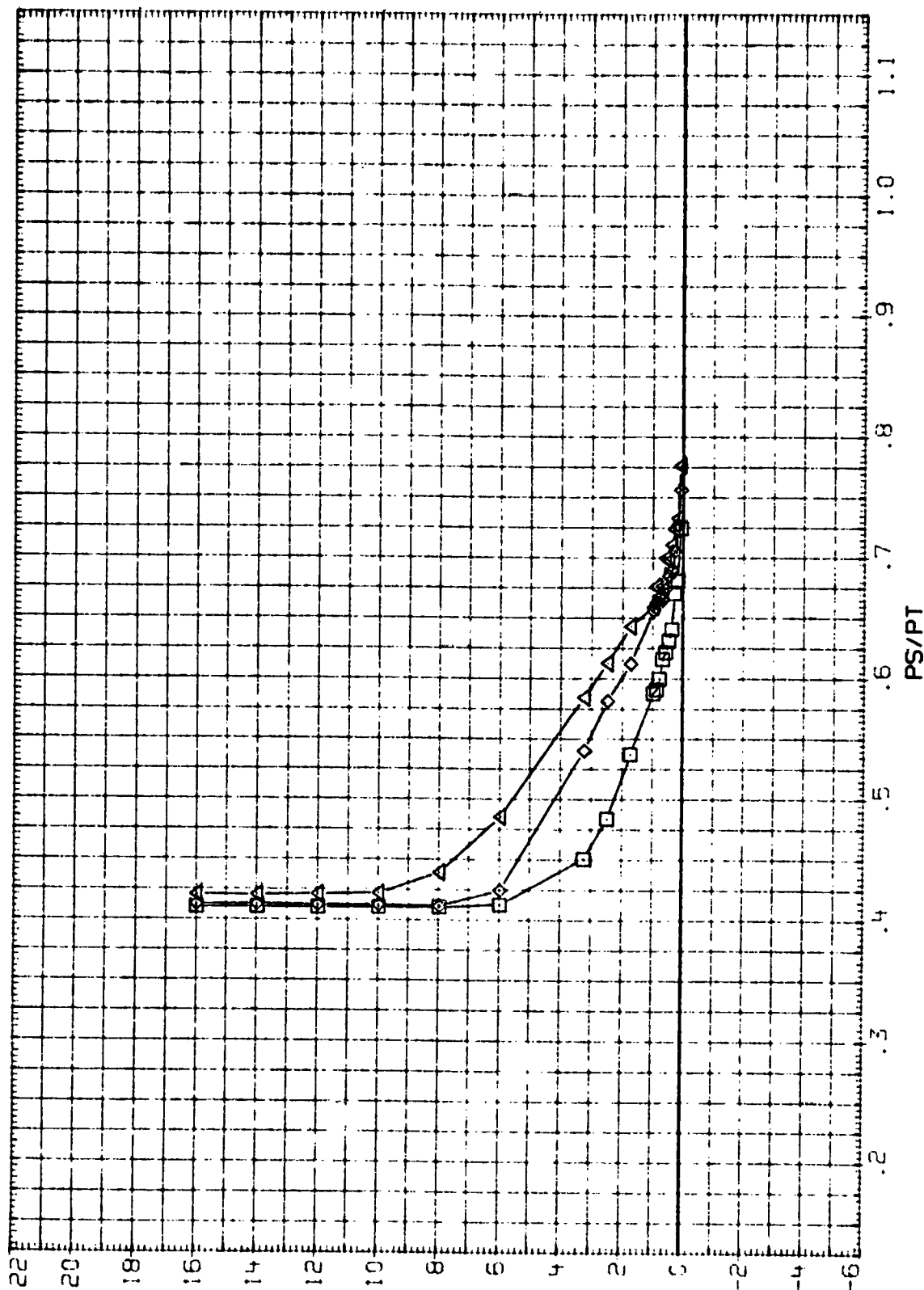


FIG 6 EFFECT OF THICKENING BOUNDARY LAYER,RAKE IN AT POSITION

(C)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX002) $\square$ AMES 11-97-010 OS8A.B PA3 + BRA
 (BEX004) $\square$ AMES 11-97-010 OS8A.B PA3 + BRA + BG1

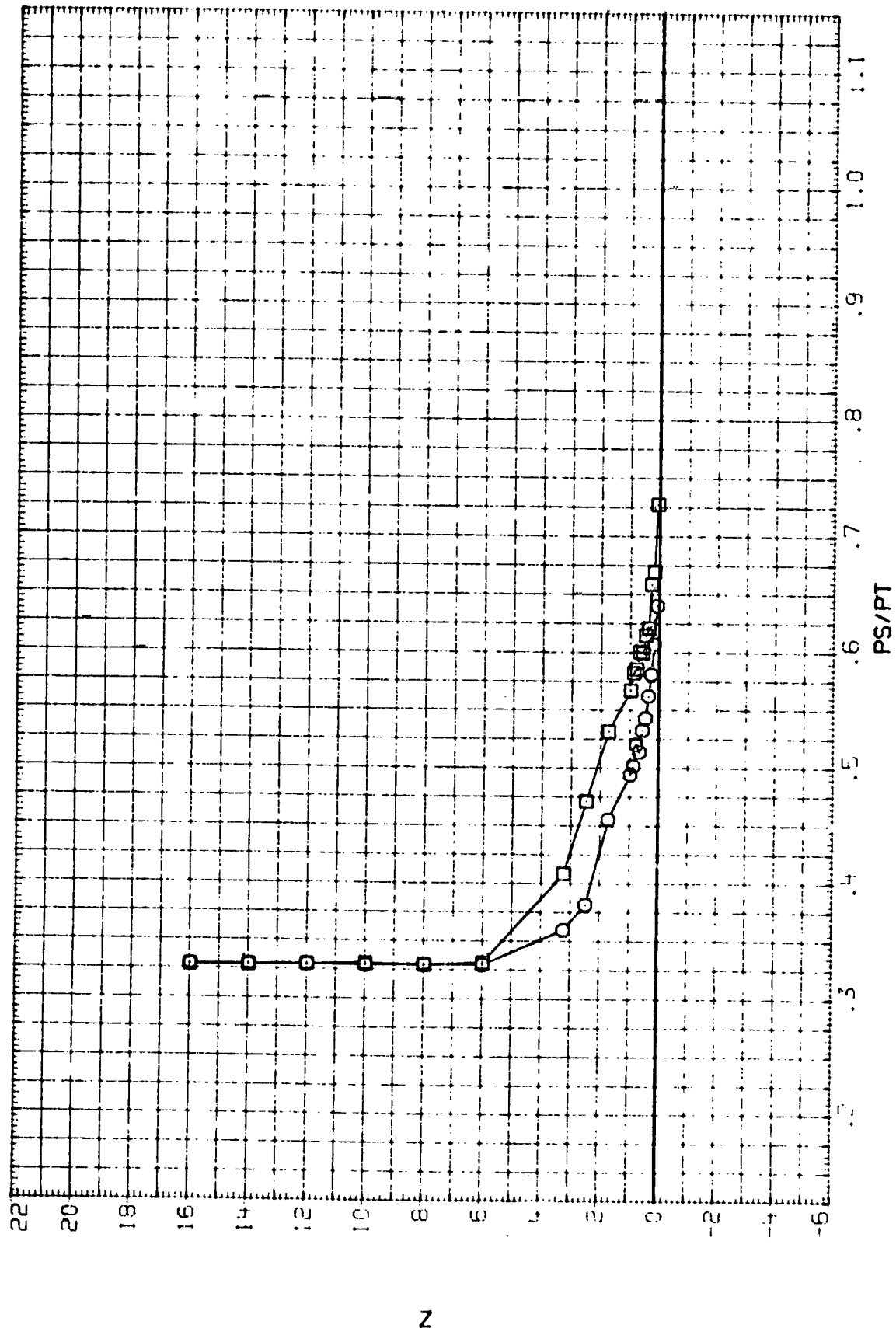


FIG 6 EFFECT OF THICKENING BOUNDARY LAYER,RAKE IN AFT POSITION

MA/MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	□	AMES 11-97-010 OSBA,B SF1 + PA3 + BRA
(BEX016)	◇	AMES 11-97-010 OSBA,B SF1 + PA3 + BRA
(BEX017)	△	AMES 11-97-010 OSBA,B SF1 + PA3 + BRA
(BEX019)	△	AMES 11-57-010 CSBA,B SF1 + PA3 + BRA

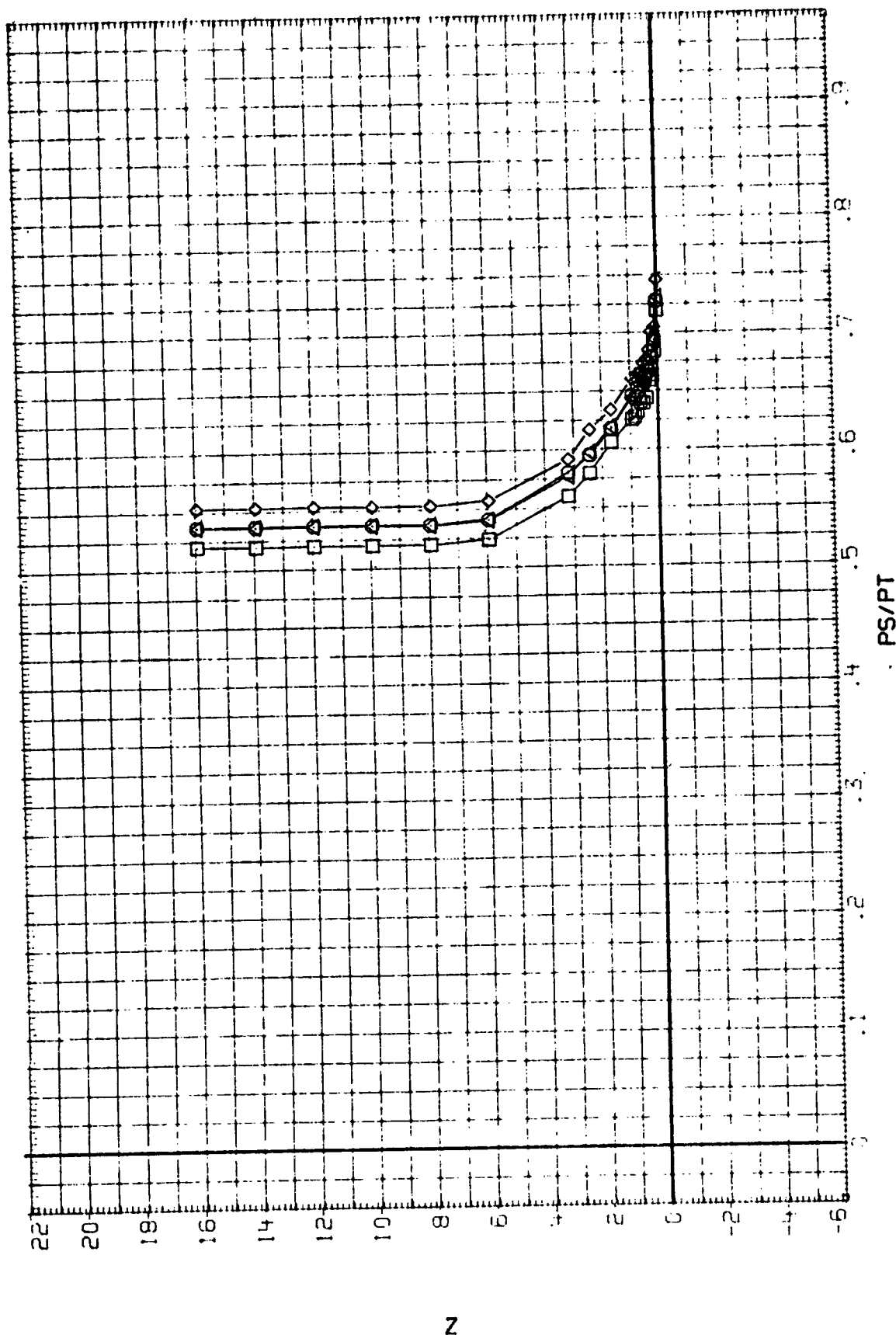


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

(A) MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	○	AMES 11-97-010 OS8A,B SF1 + PA3 + BRA
(BEX016)	□	AMES 11-97-010 OS8A,B SF1 + PA3 + BRA
(BEX017)	△	AMES 11-97-010 OS8A,B SF1 + PA3 + BRA
(BEX049)	△	AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

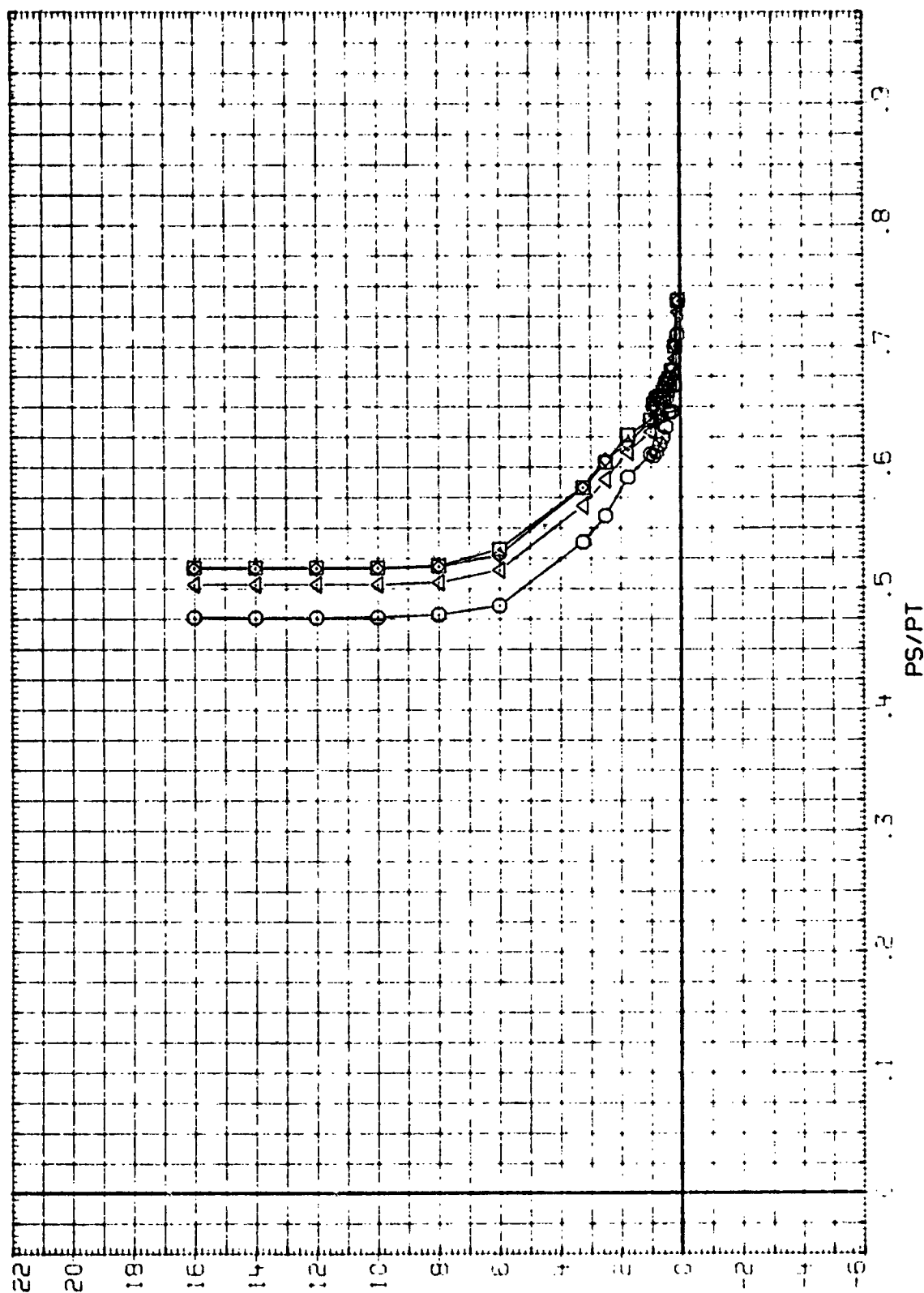


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	○	AMES 11-97-010 OSBA.B SFI + PA3 + BRA
(BEX016)	□	AMES 11-97-010 OSBA.B SFI + PA3 + BRA
(BEX017)	△	AMES 11-97-010 OSBA.B SFI + PA3 + BRA
(BEX019)	△	AMES 11-97-010 OSBA.B SFI + PA3 + BRA

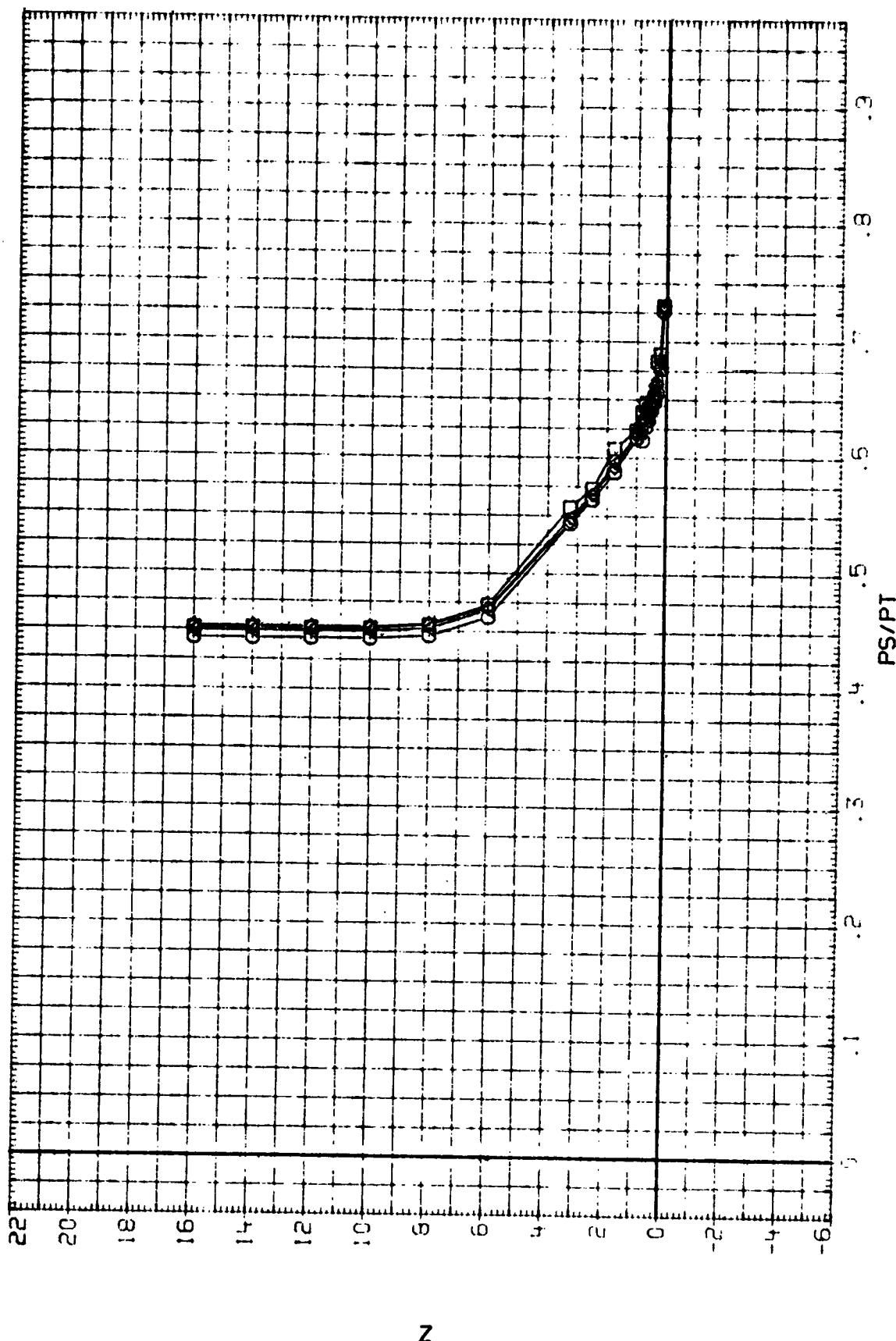


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

(C) MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	○	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX016)	□	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX017)	△	AMES 11-97-010 OS8A.C SF1 + PA3 + BRA
(BEX049)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

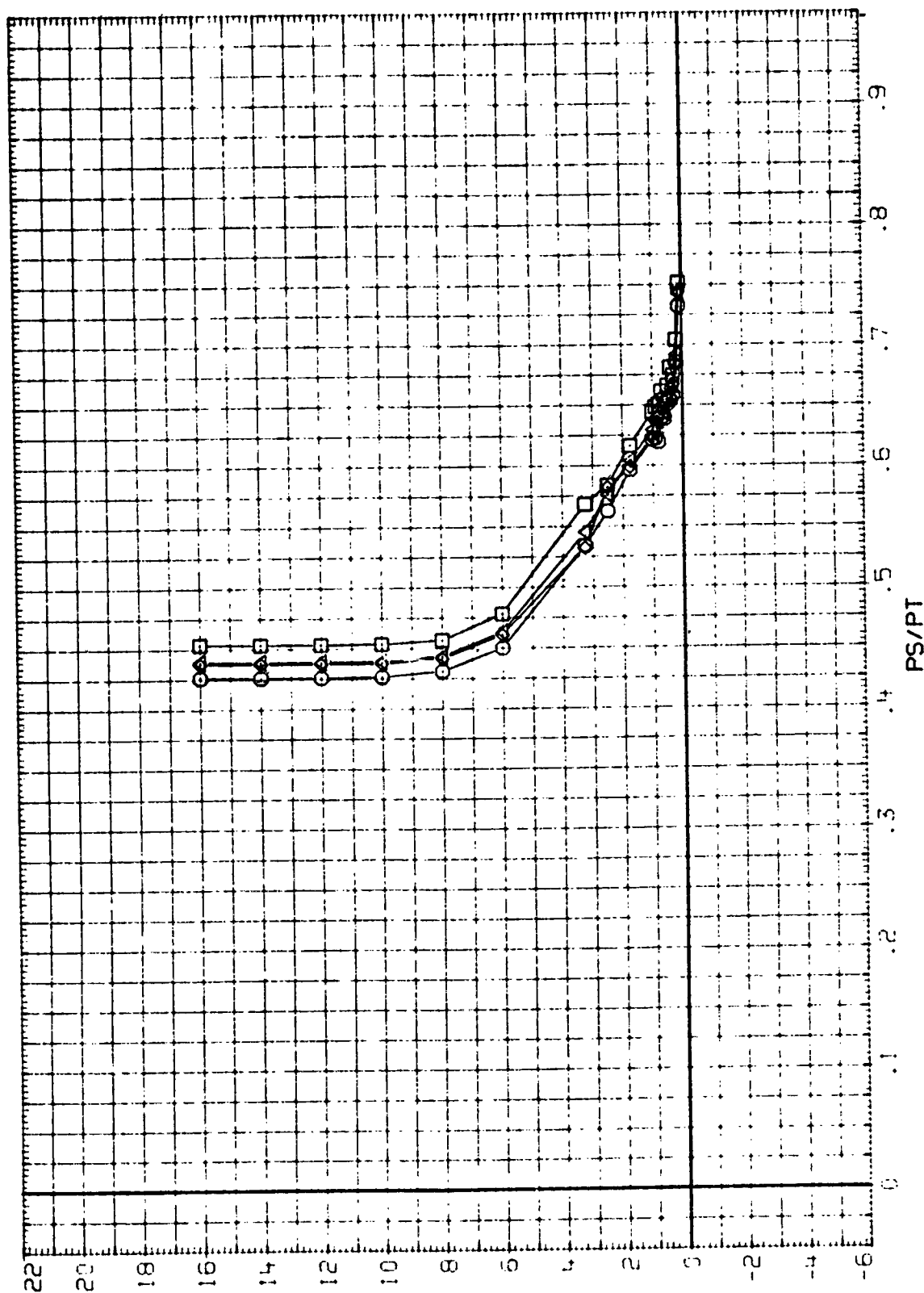


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	○	AMES 11-97-010 OS8A,B SF1 + PA3 + BRA
(BEX016)	◇	AMES 11-97-010 CS8A,B SF1 + PA3 + BRA
(BEX017)	◇	AMES 11-97-010 CS8A,B SF1 + PA3 + BRA
(BEX018)	△	AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

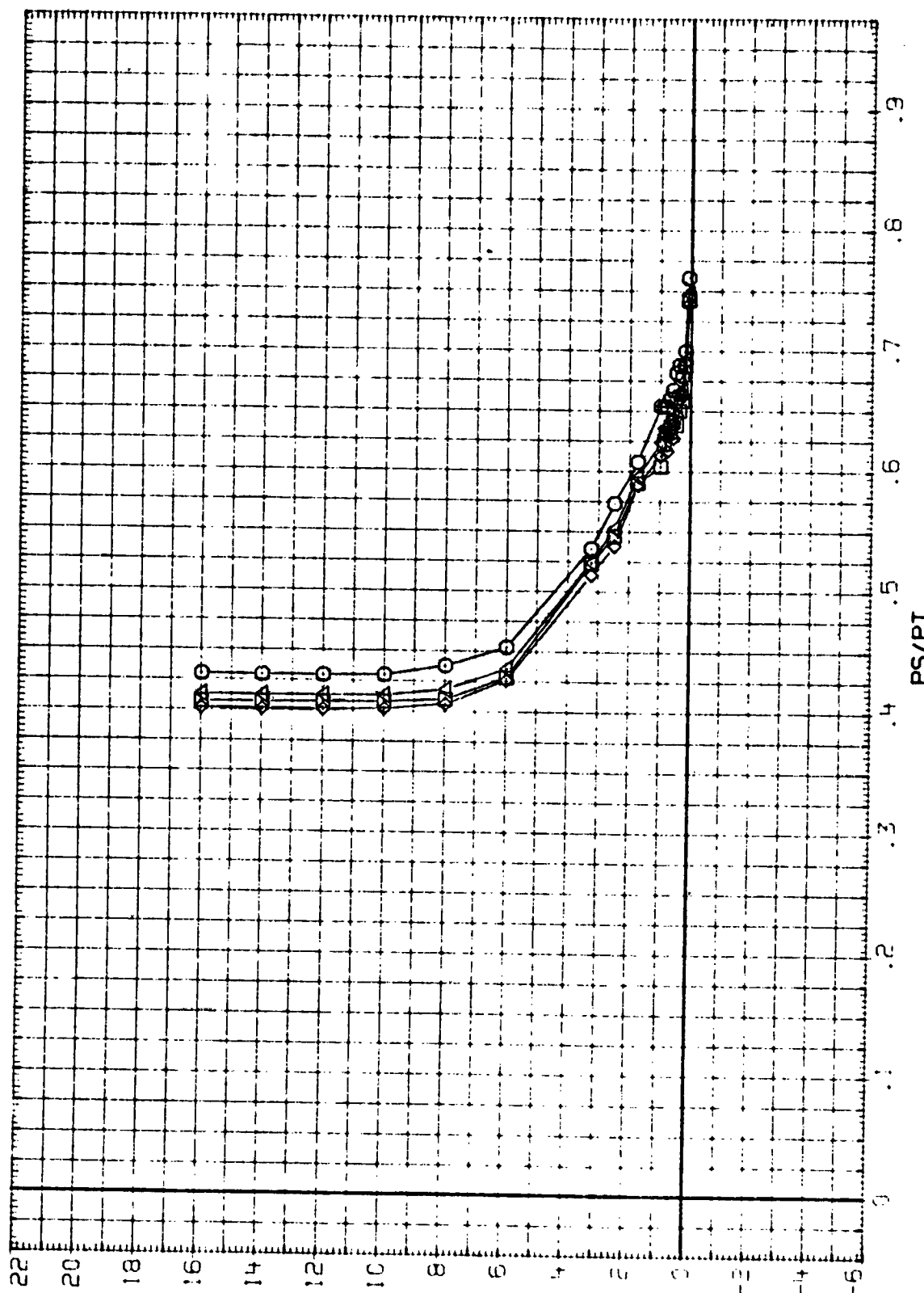


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

(E) MACH = .84

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BX015)	○	AMES 11-97-010 058A.B SF1 + PA3 + BRA
(BX016)	□	AMES 11-97-010 058A.B SF1 + PA3 + BRA
(BX017)	△	AMES 11-97-010 058A.B SF1 + PA3 + BRA
(BX049)	◇	AMES 11-97-010 058A.B SF1 + PA3 + BRA

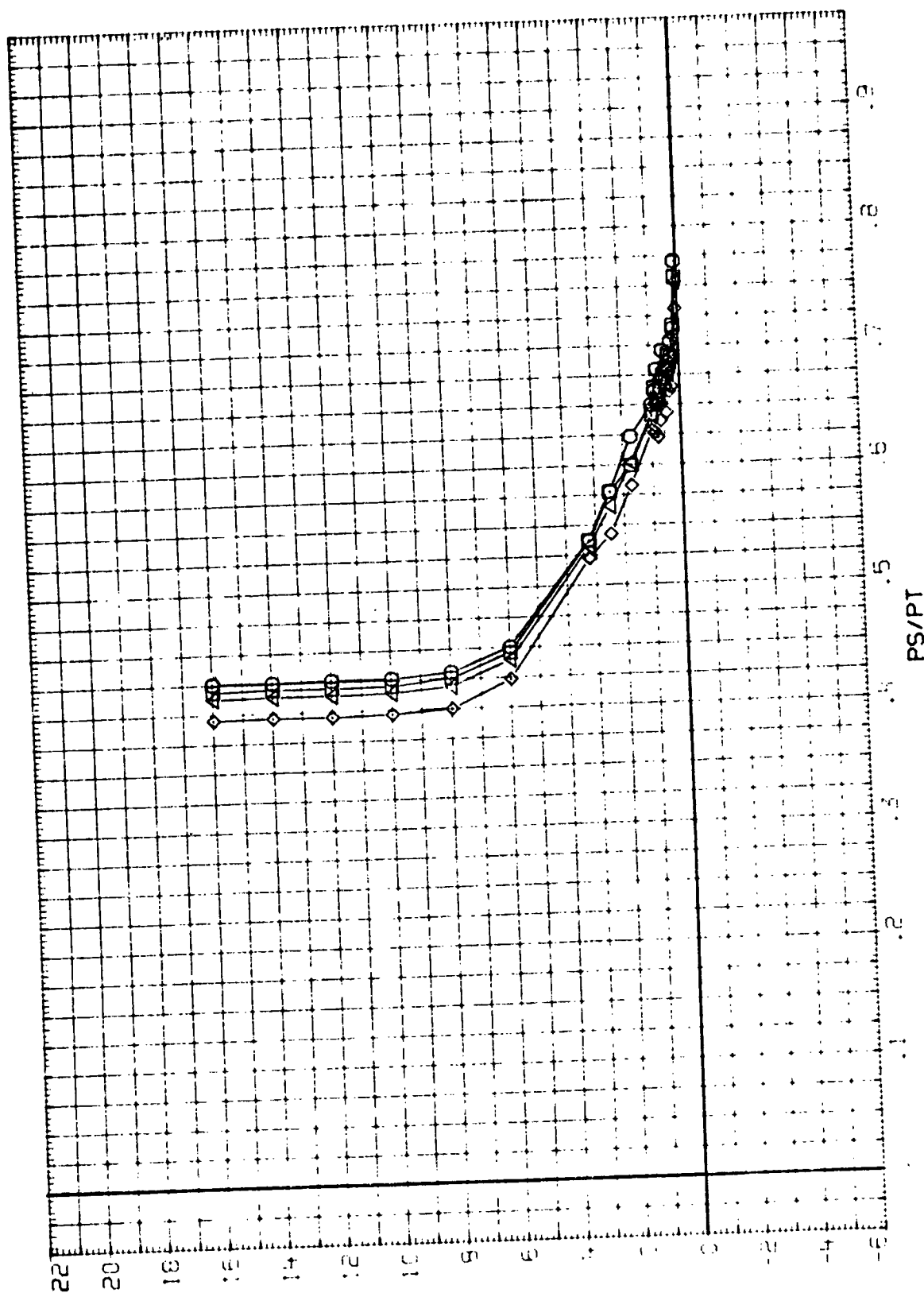


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

(F) MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	□	AMES 11-97-010 OSRA.B SF1 + PA3 + BRA
(BEX016)	◇	AMES 11-97-010 OSRA.B SF1 + PA3 + BRA
(BEX017)	△	AMES 11-97-010 OSRA.B SF1 + PA3 + BRA
(BEX049)	△	AMES 11-97-010 OSRA.B SF1 + PA3 + BRA

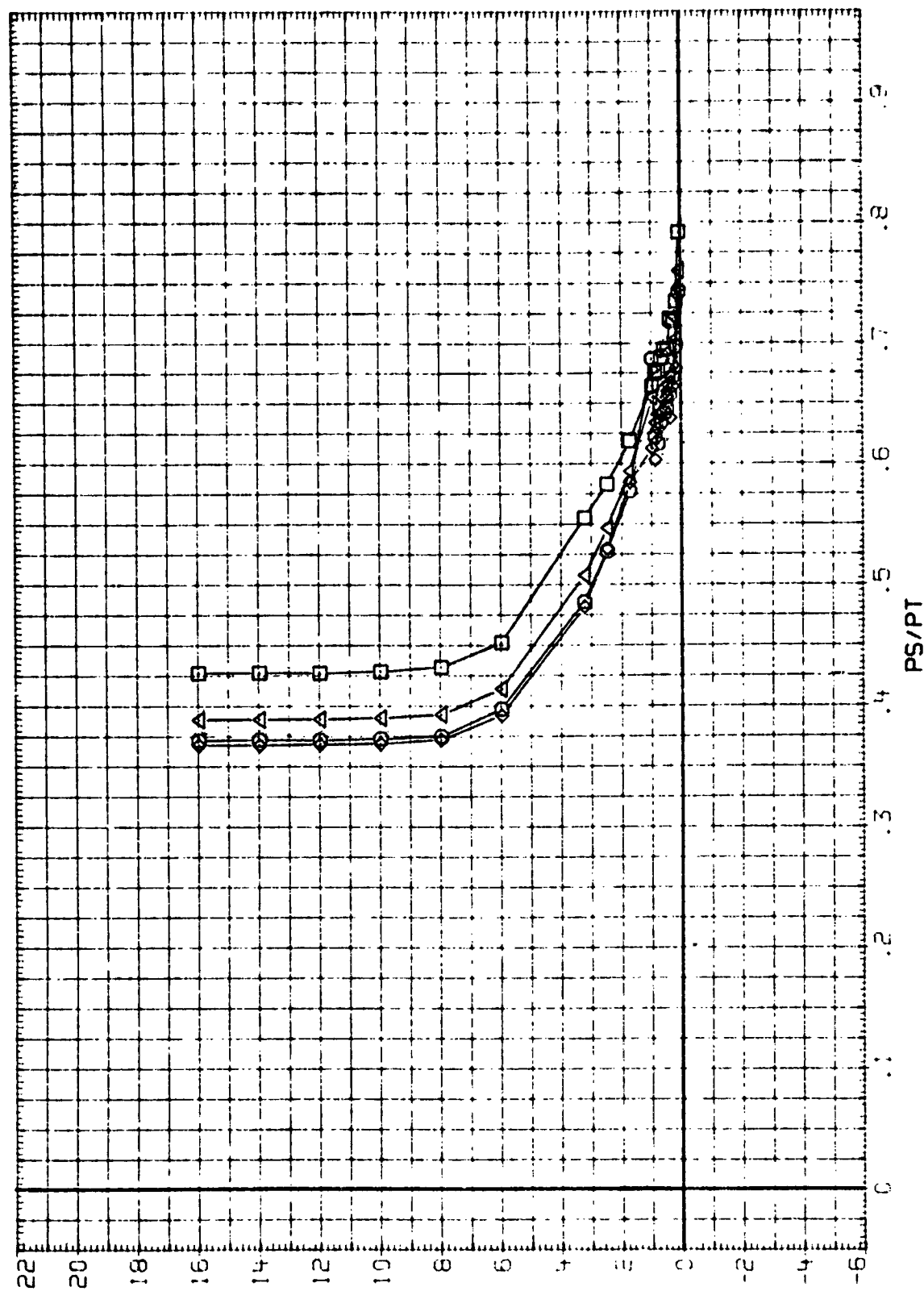


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

(G) MACH = .89

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	○	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX016)	□	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX017)	◇	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX019)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

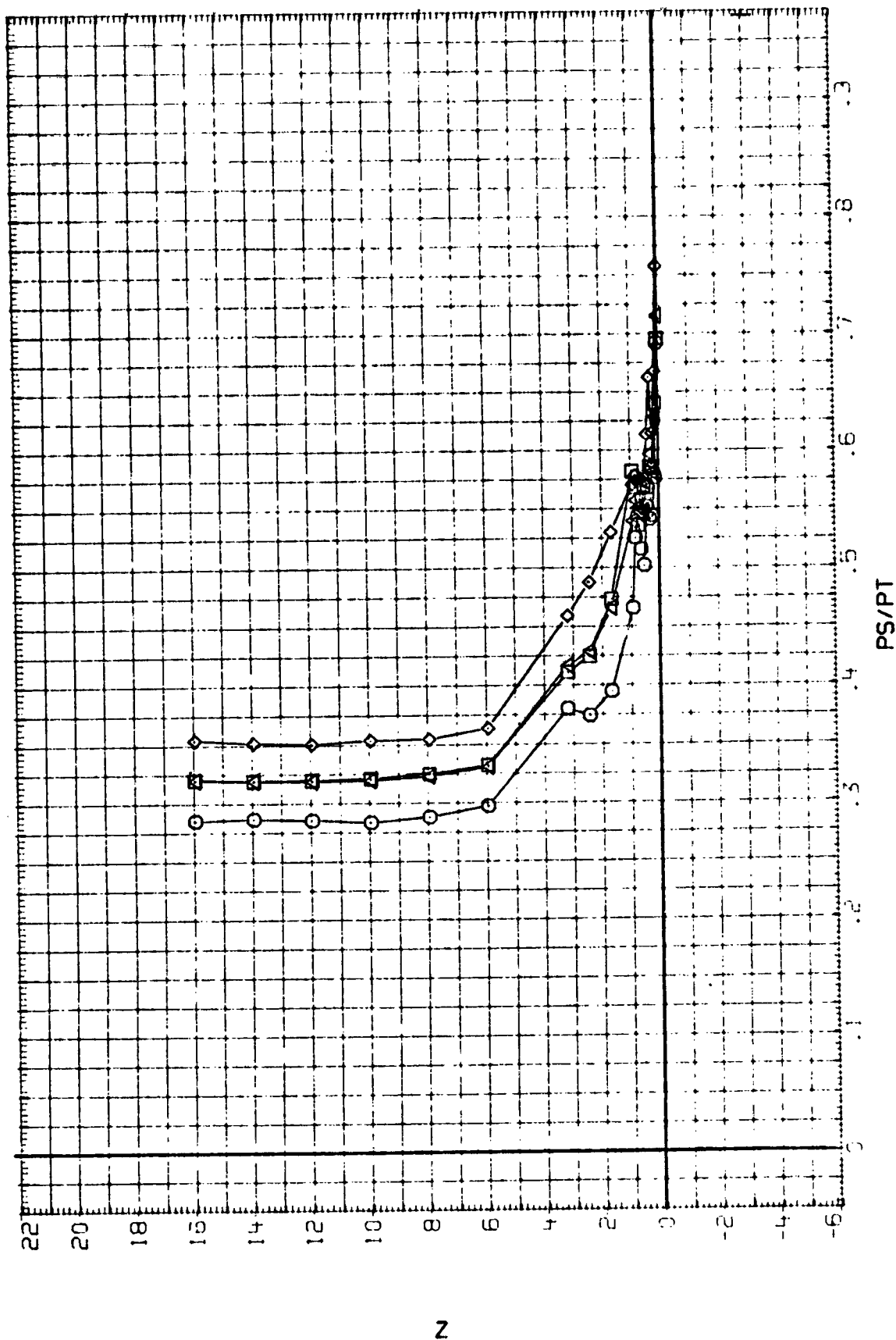


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	□	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX016)	◇	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX017)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX049)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

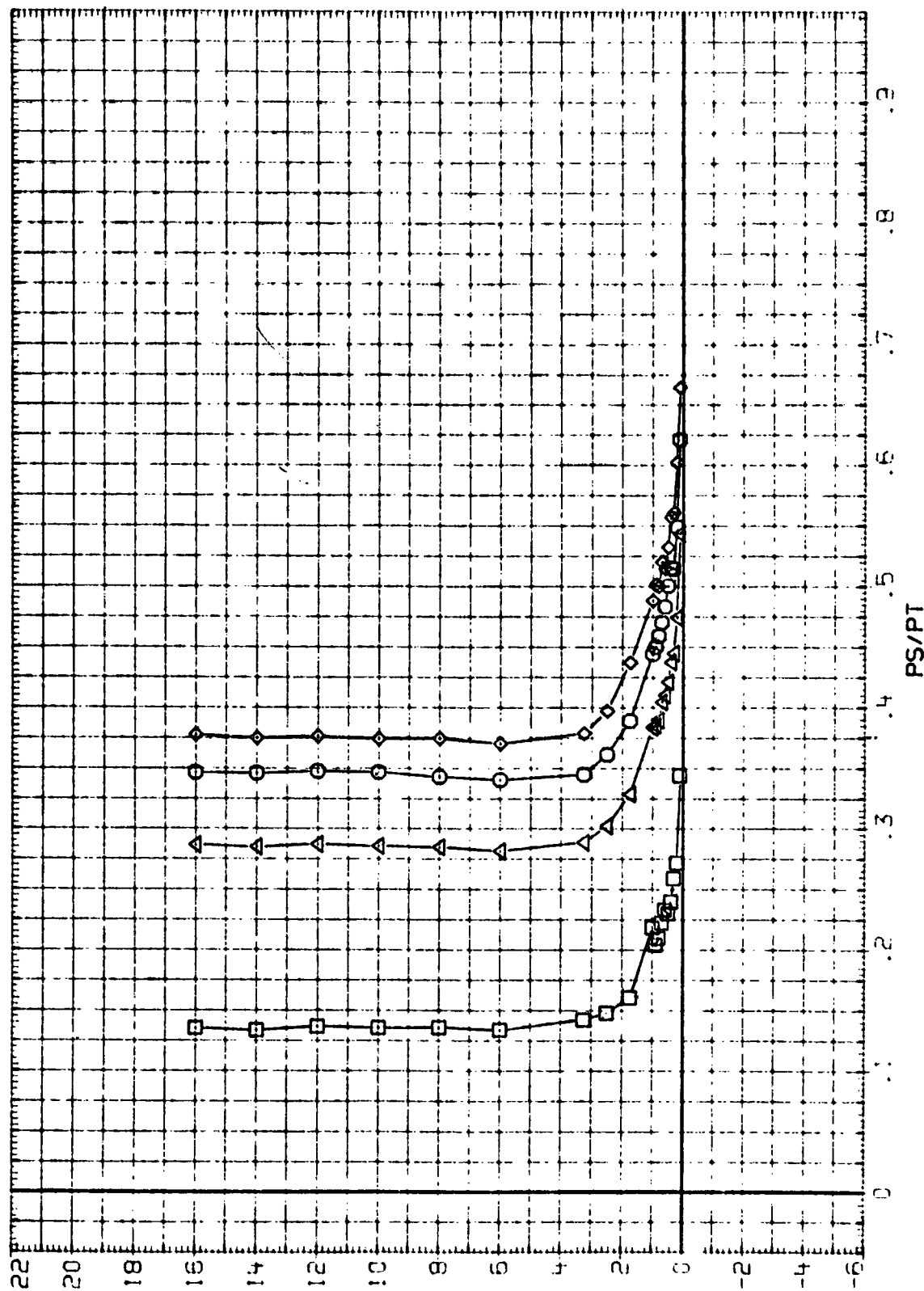


FIG. 7 REPEATABILITY EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BX015)	□	AMES 11-97-010 OS8A.B SFI + PA3 + BRA
(BX016)	◇	AMES 11-97-010 OS8A.B SFI + PA3 + BRA
(BX017)	△	AMES 11-97-010 OS8A.B SFI + PA3 + BRA
(BX019)	△	AMES 11-97-010 OS8A.B SFI + PA3 + BRA

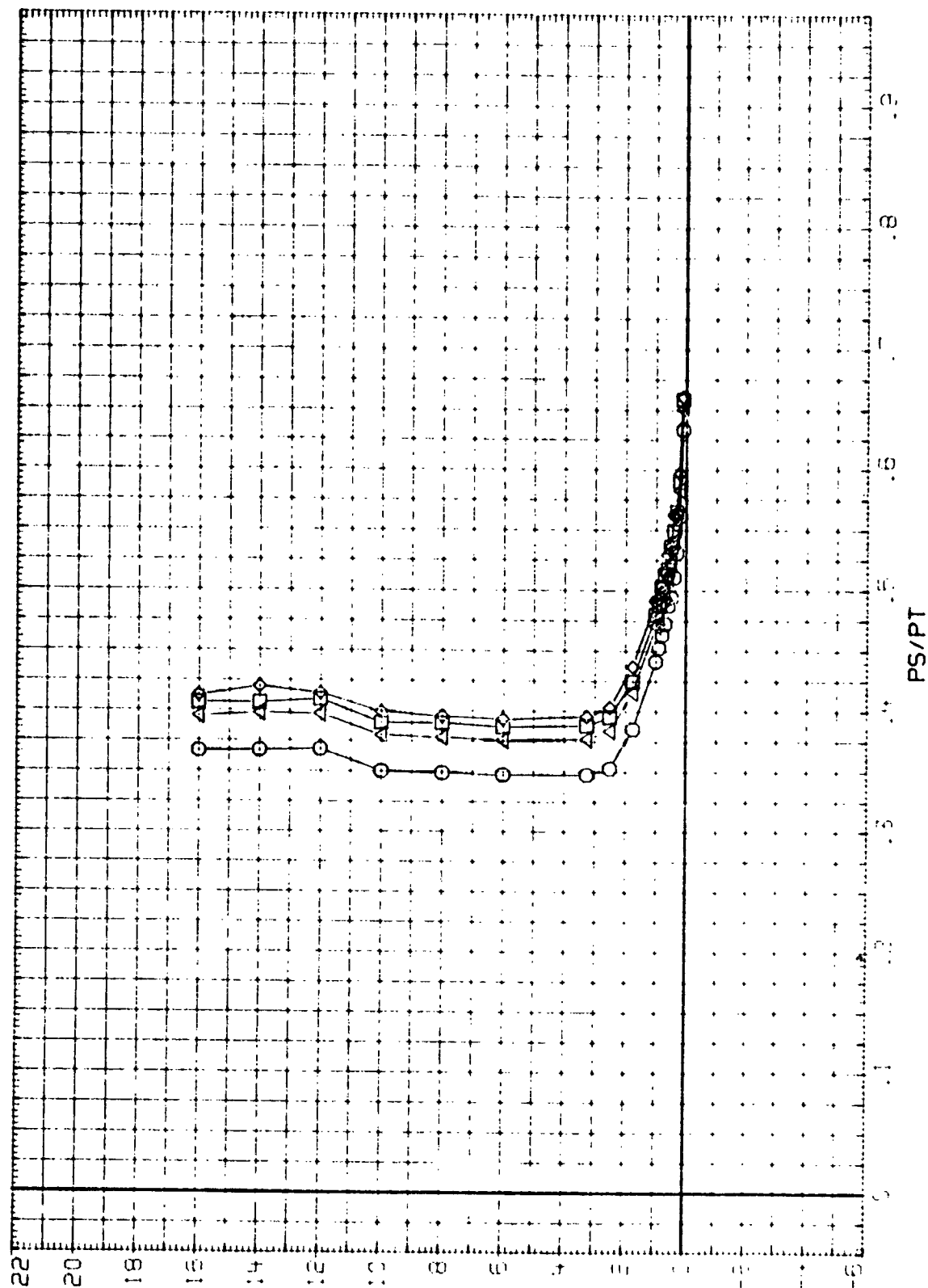


FIG. 7 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX015)	○	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX016)	□	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX017)	◇	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA
(BEX049)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

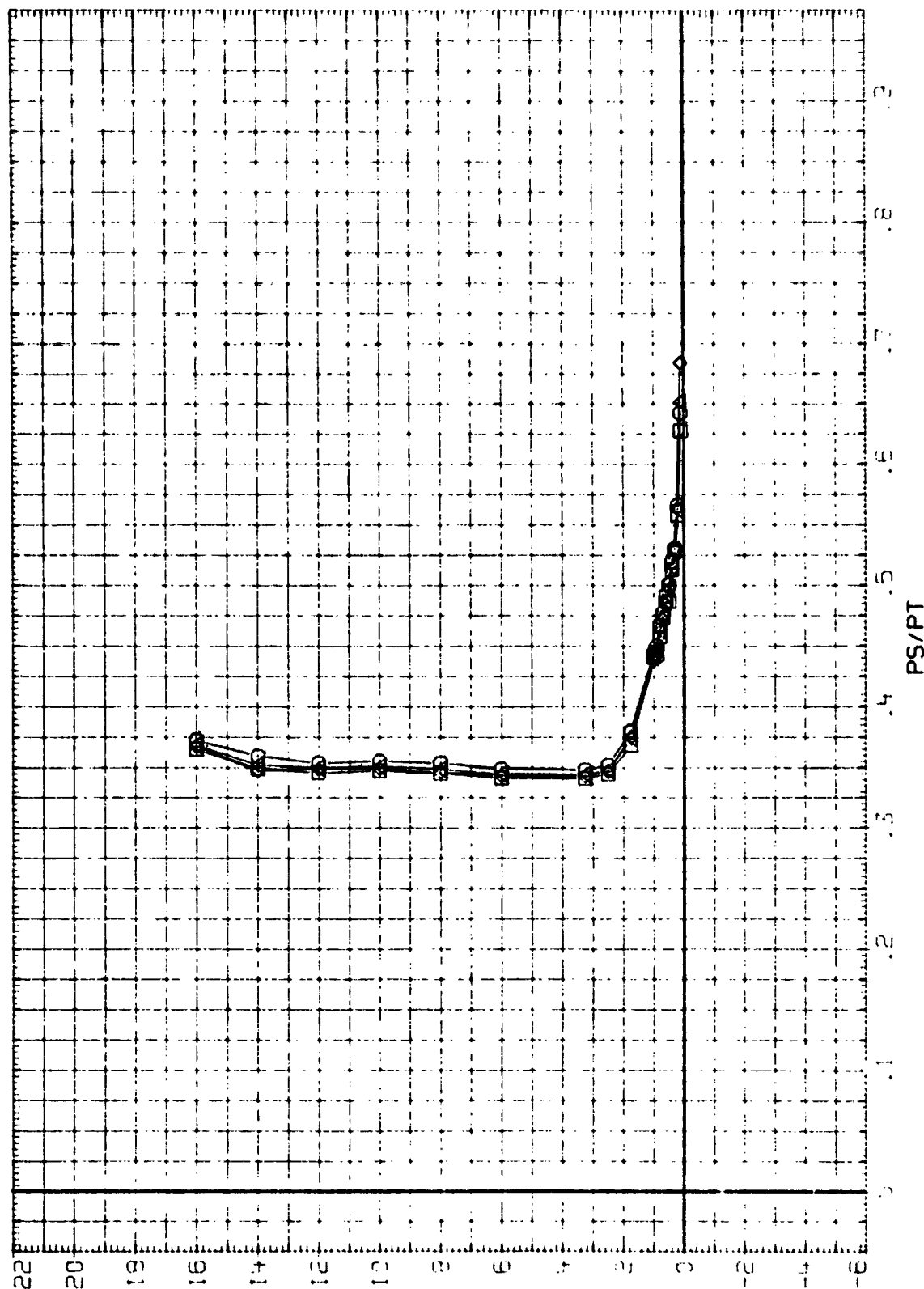


FIG. 7 REPEATABILITY EXPANSION SHOCK FIXTURE RAKE IN AFT POSITION

(BEX049) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

SYMBOL MACH PARTIAL VALUES

.702 B.POS 2.000

.751

.799

.840

.880

.920

000440

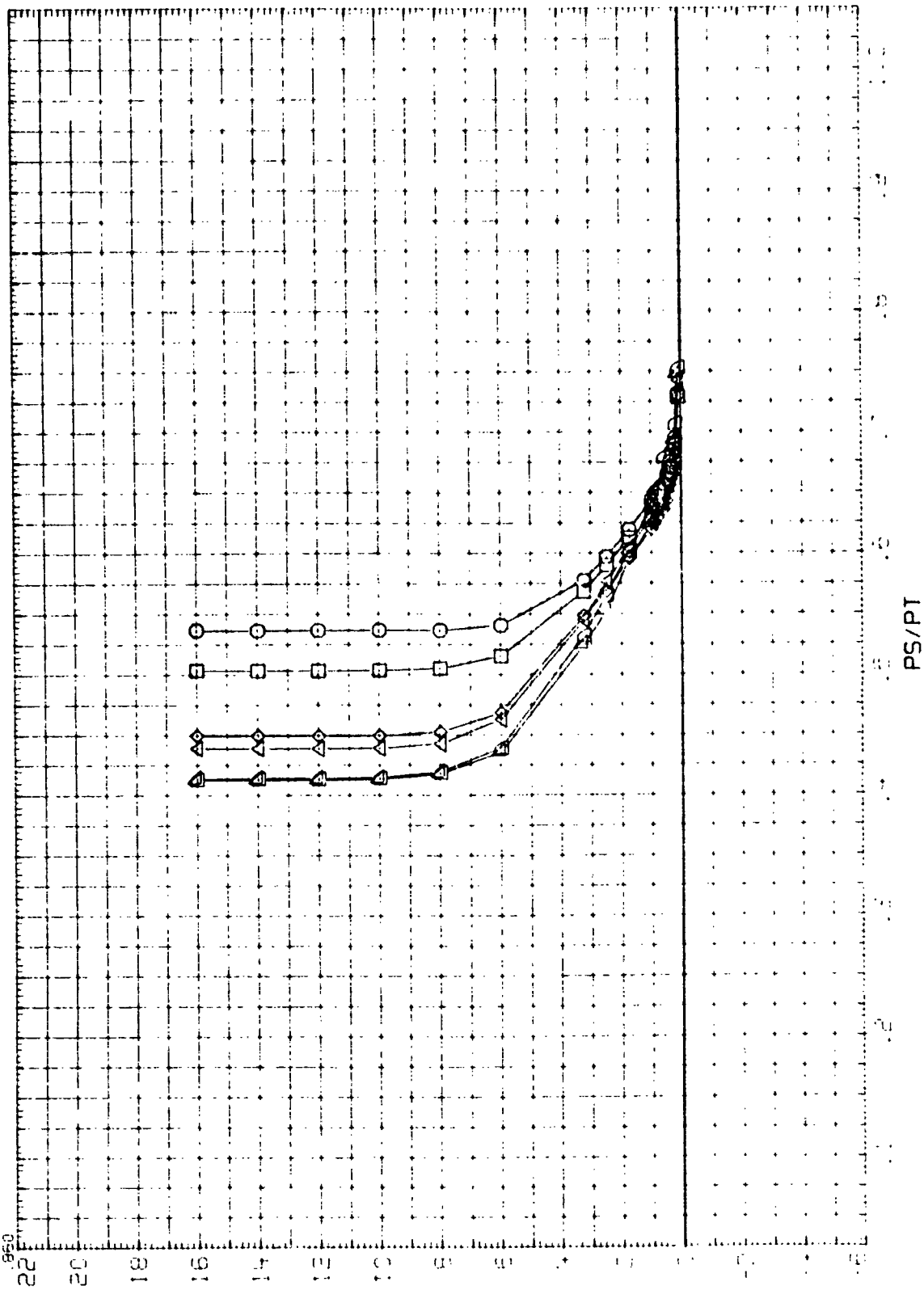


FIG. 8 EFFECT OF MACH, EXPANSION SHOCK FIXTURE, RAKE IN AFT POSITION

(BEX049) AMES 11-97-010 US8A,B SF1 + PA3 + BRA

SYMBOL MACH PAPAME:PIC VALUES

BLPOS 2.000

.880

.901

.920

.938

.954

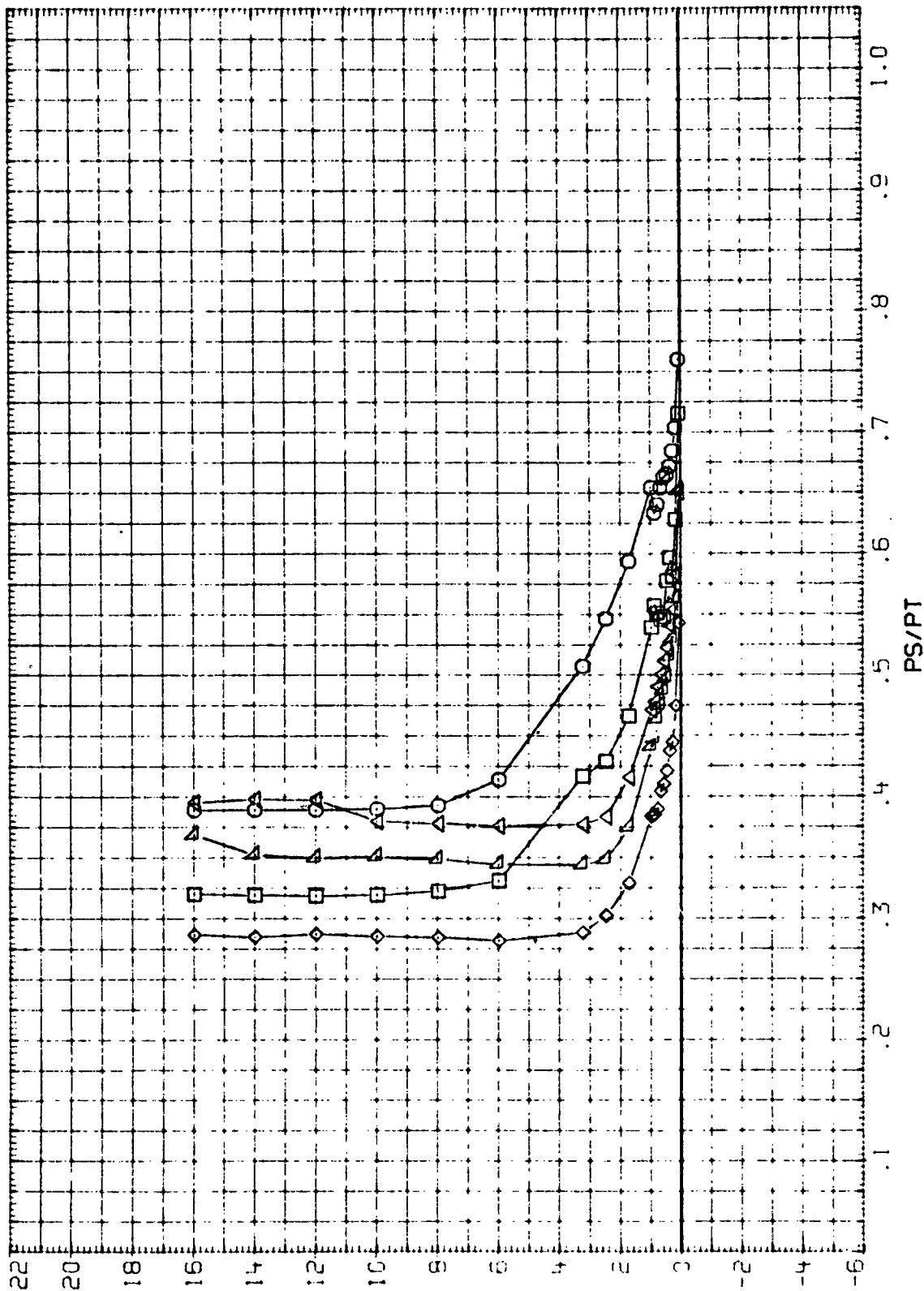


FIG. 8 EFFECT OF MACH,EXPANSION SHOCK FIXTURE,RAKE IN AFT POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX018)	□	AMES 11-97-010 059A.B SF1 PA2 BPF
(BEX019)	□	AMES 11-97-010 059A.B SF1 PA3 BPF
(BEX020)	△	AMES 11-97-010 059A.B SF1 PA3 BPF
(BEX045)	△	AMES 11-97-010 059A.B SF1 PA3 BPF

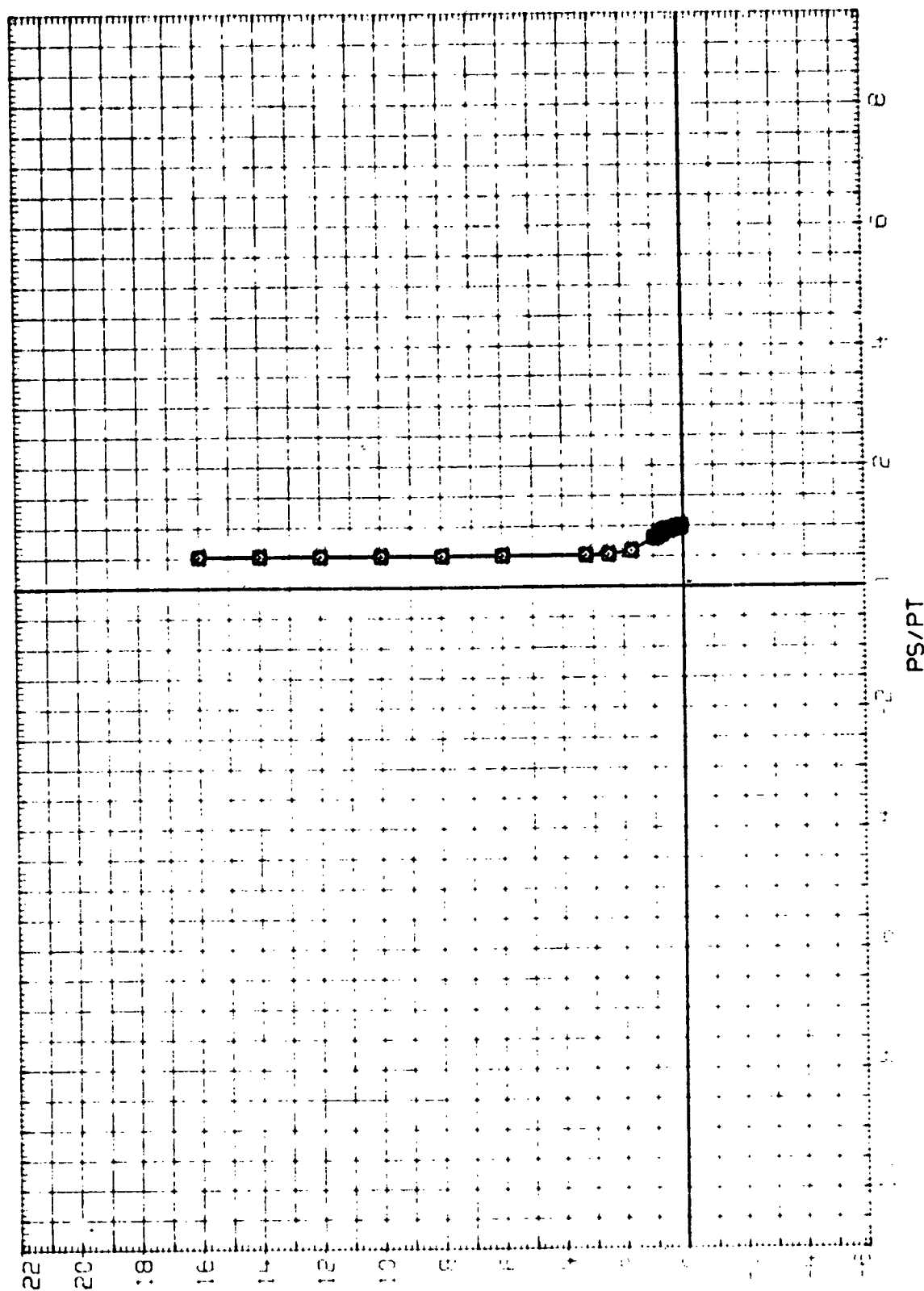


FIG. 9 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN FORWARD POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX018)	□	AMES 11-97-010 CSBA.B SF1 PA3 BRF
(BEX019)	□	AMES 11-97-010 CSBA.B SF1 PA3 BRF
(BEX020)	△	AMES 11-97-010 CSBA.B SF1 PA3 BRF
(BEX045)	△	AMES 11-97-010 CSBA.B SF1 PA3 BRF

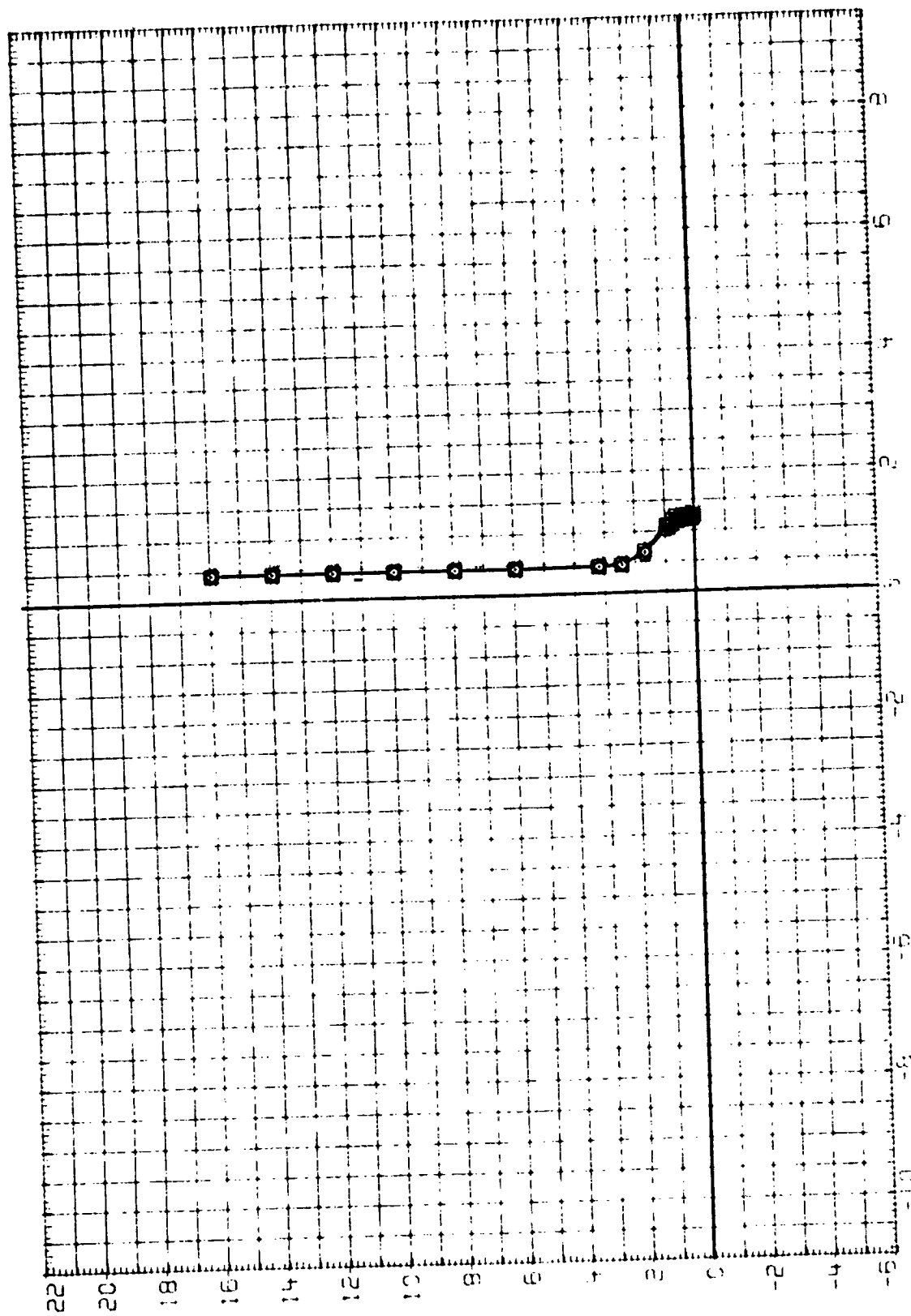


FIG. 9 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN FORWARD POSITION

(B) MACH = .75

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BX018)	○	AMES 11-97-010 OS8A.B SF1 + PA3 + BRF
(BX019)	□	AMES 11-97-010 OS8A.B SF1 + PA3 + BRF
(BX020)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRF
(BX045)	△	AMES 11-97-010 OS8A.B SF1 + PA3 + BRF

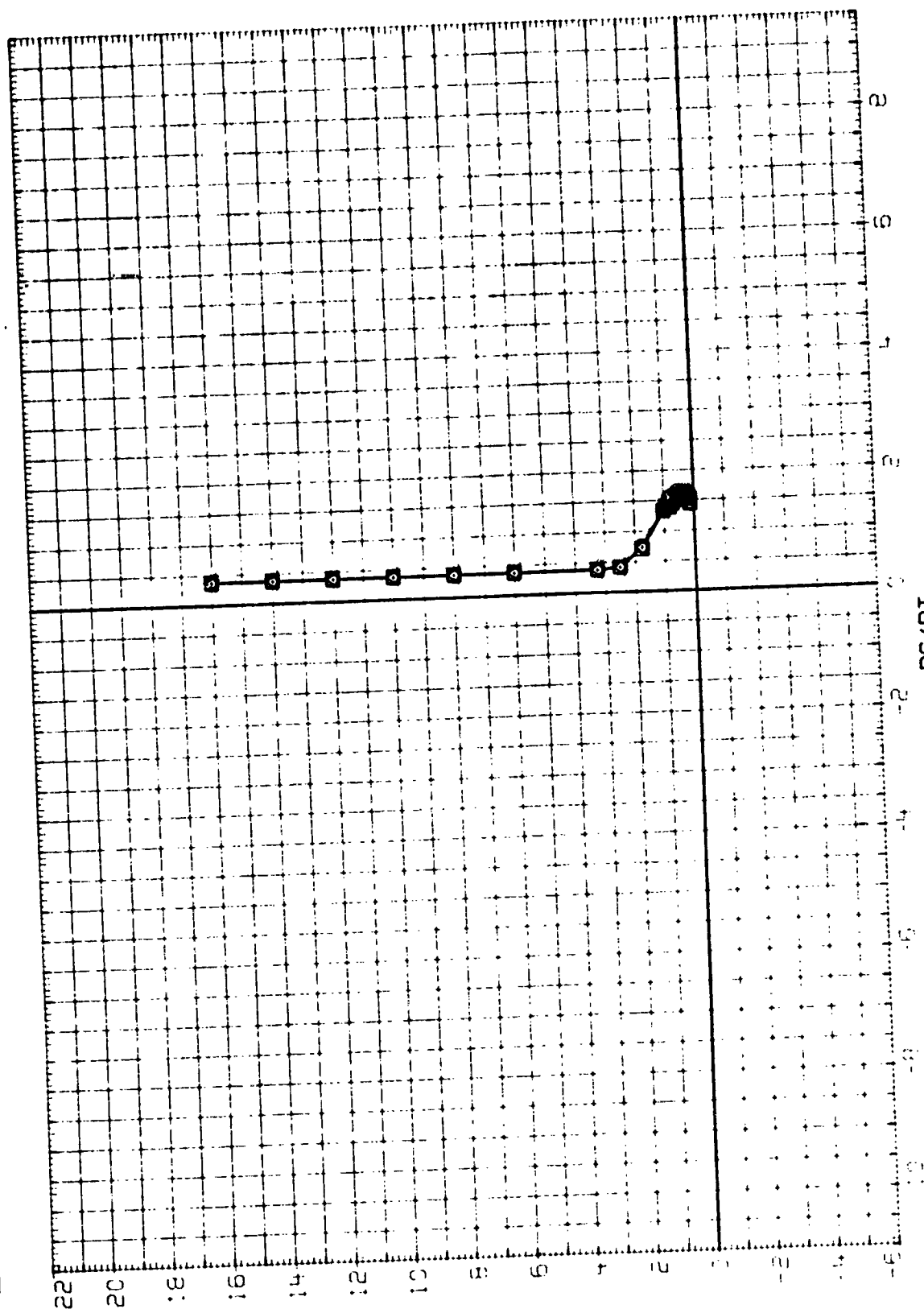
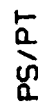


FIG. 9 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN FORWARD POSITION

CONFIRMATION	DESCRIPTION
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2	10/1/2010
3	10/1/2010
4	10/1/2010
5	10/1/2010
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7	10/1/2010
8	10/1/2010
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10	10/1/2010
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97	10/1/2010
98	10/1/2010
99	10/1/2010
100	10/1/2010



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$$(\text{O}^{\text{O}}\text{VAC}) = \frac{\text{O}^{\text{O}}}{\text{O}^{\text{O}} + \text{VAC}}$$

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
DEX0181	○	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
DEX0191	□	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
BRX0201	△	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
BRX0251	△	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP

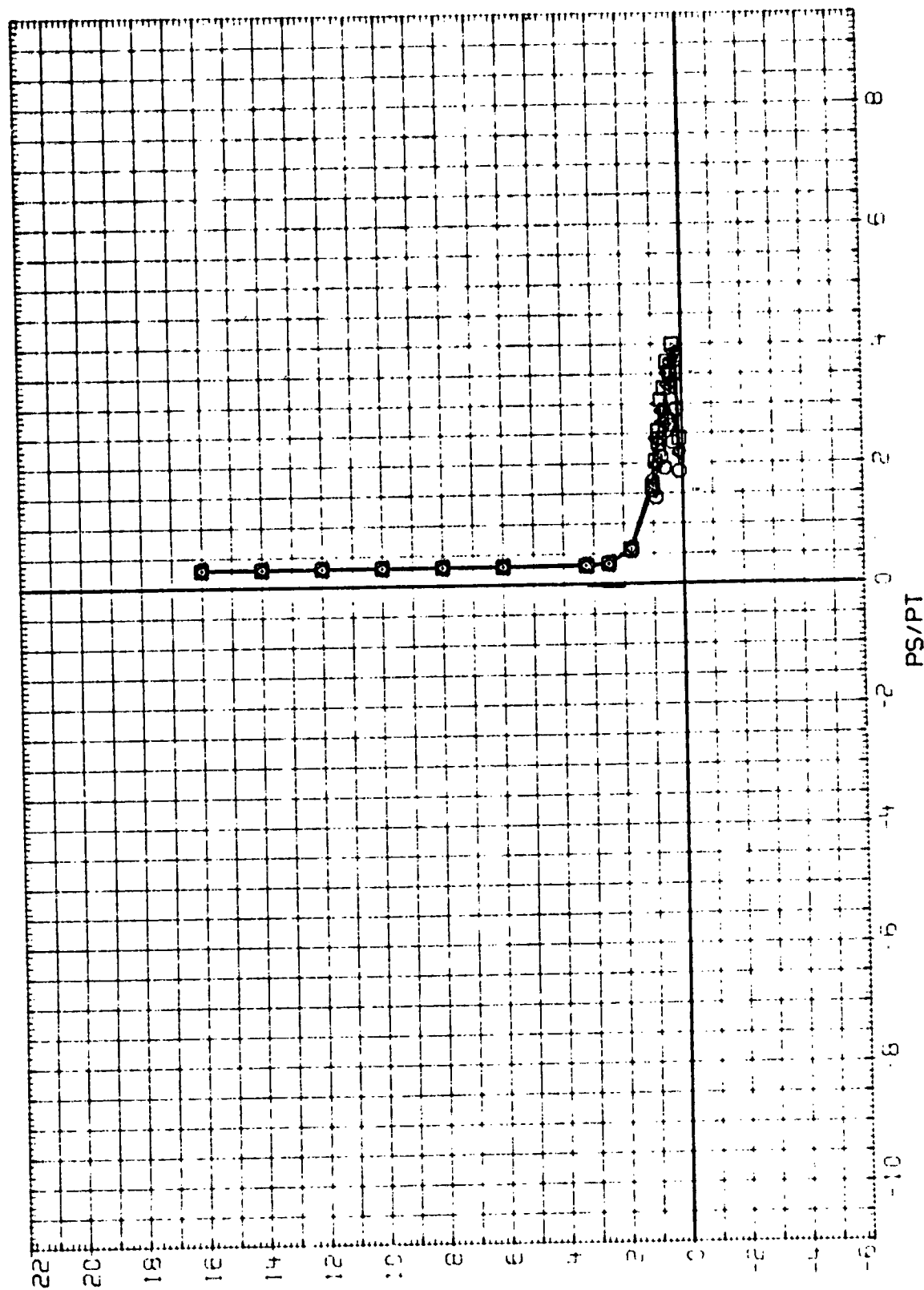


FIG. 9 REPEATABILITY.EXPANSION SHOCK FIXTURE,RAKE IN FORWARD POSITION

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BX028)	□	AMES 11-97-010 CS8A.B SF1 + PA3 + BRF
(BX029)	□	AMES 11-97-010 CS8A.B SF1 + PA3 + BRF
(BX030)	◇	AMES 11-97-010 CS8A.B SF1 + PA3 + BRF
(BX041)	△	AMES 11-97-010 CS8A.B SF1 + PA3 + BRF
(BX046)	△	AMES 11-97-010 CS8A.B SF1 + PA3 + BRF

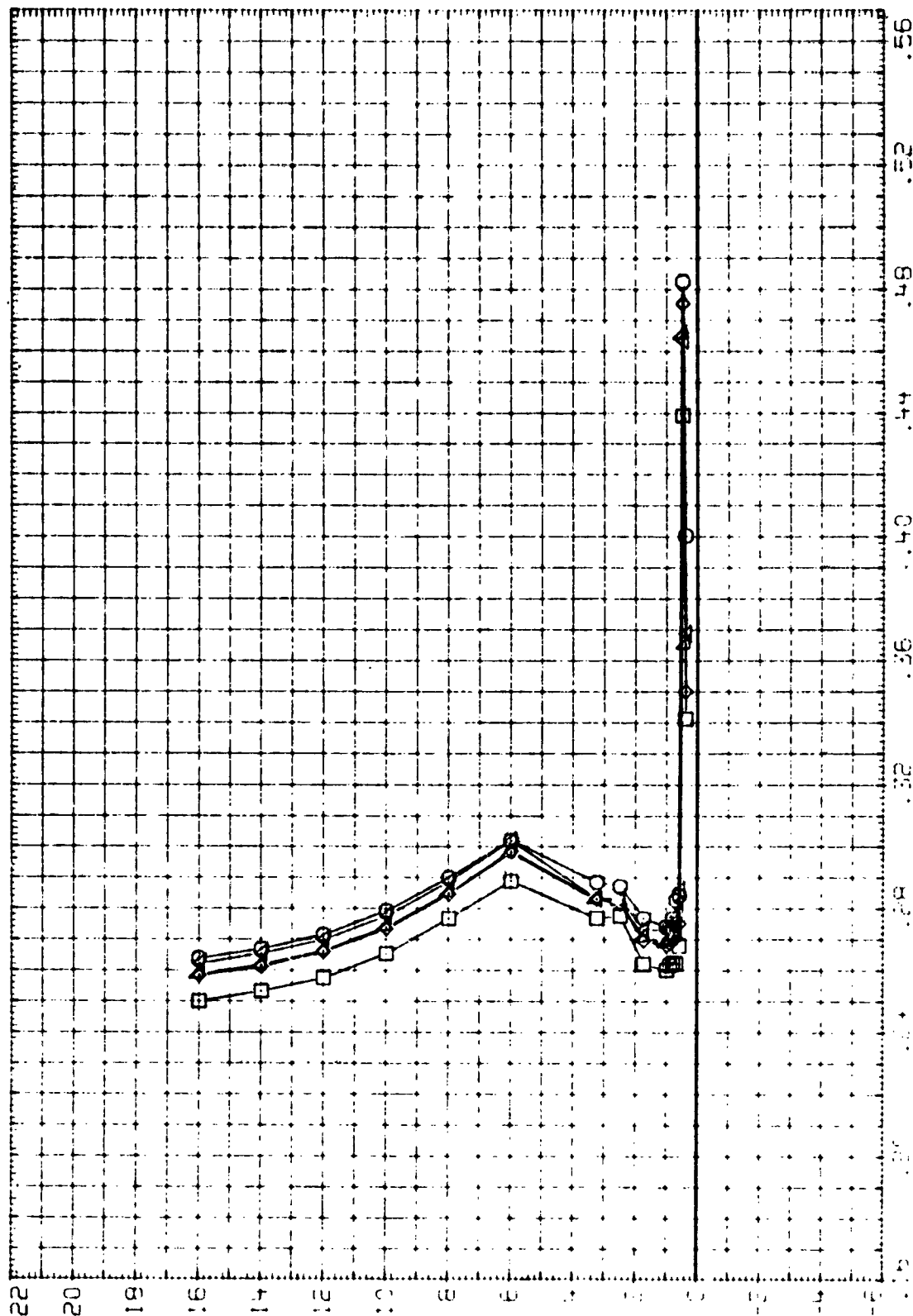


FIG. 9 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN FORWARD POSITION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BEV0221	○	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
BEV0223	○	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
BEV0241	○	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
BEV0247	○	AMES 11-97-010 OSBA.B SF1 + PA3 + BRP

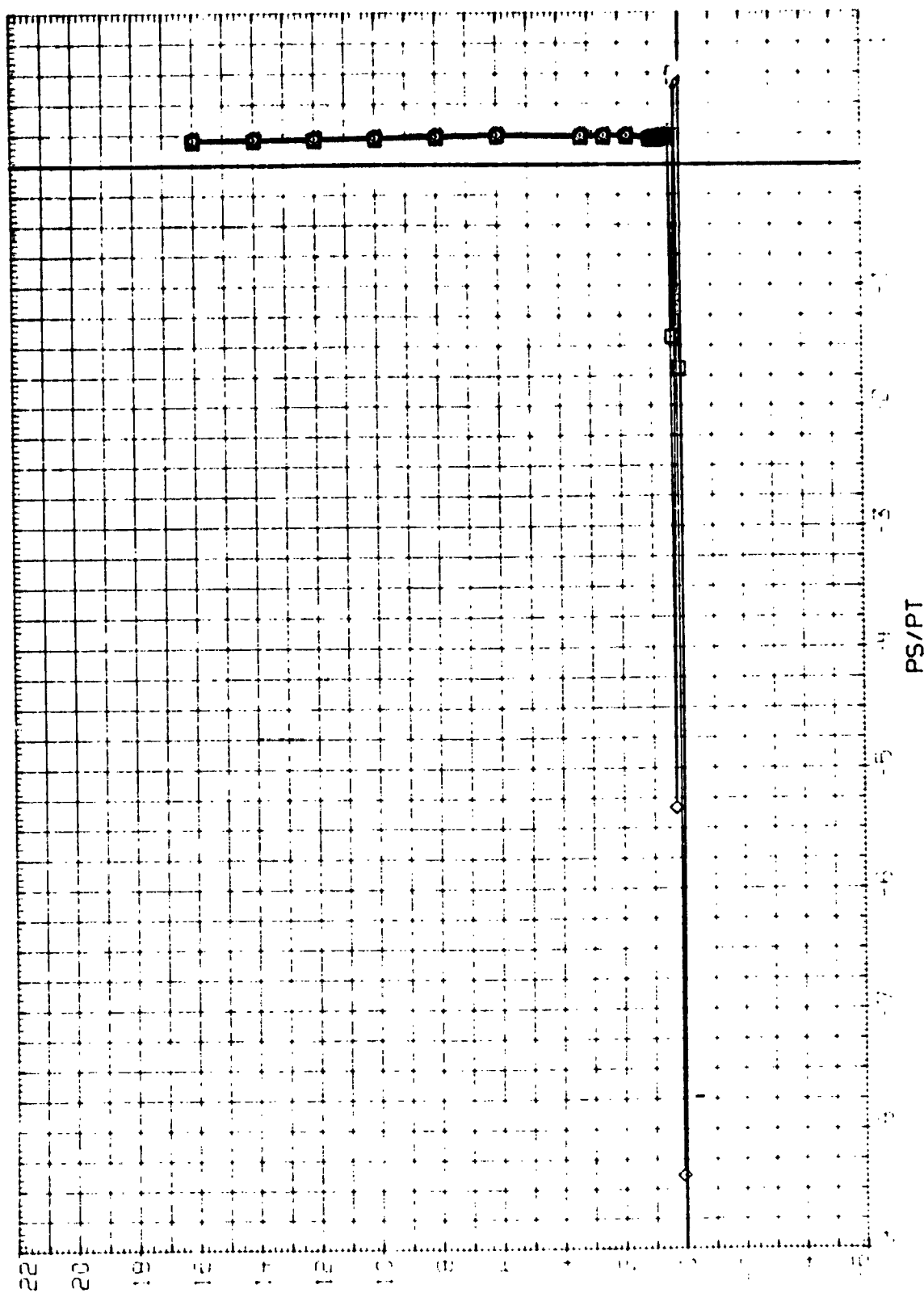


FIG. 9 REPEATABILITY, EXPANSION SHOCK FIXTURE, RAKE IN FORWARD POSITION

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BE*0+5) $\square$ AMES 11-97-010 OSBA.B SF1 + PA3 + BRP
 (BE*0+5) $\square$ DATA NOT AVAILABLE
 (BE*0+7) $\triangle$ DATA NOT AVAILABLE
 (BE*0+9) $\triangle$ AMES 11-97-010 OSBA.B SF1 + PA3 + BPA

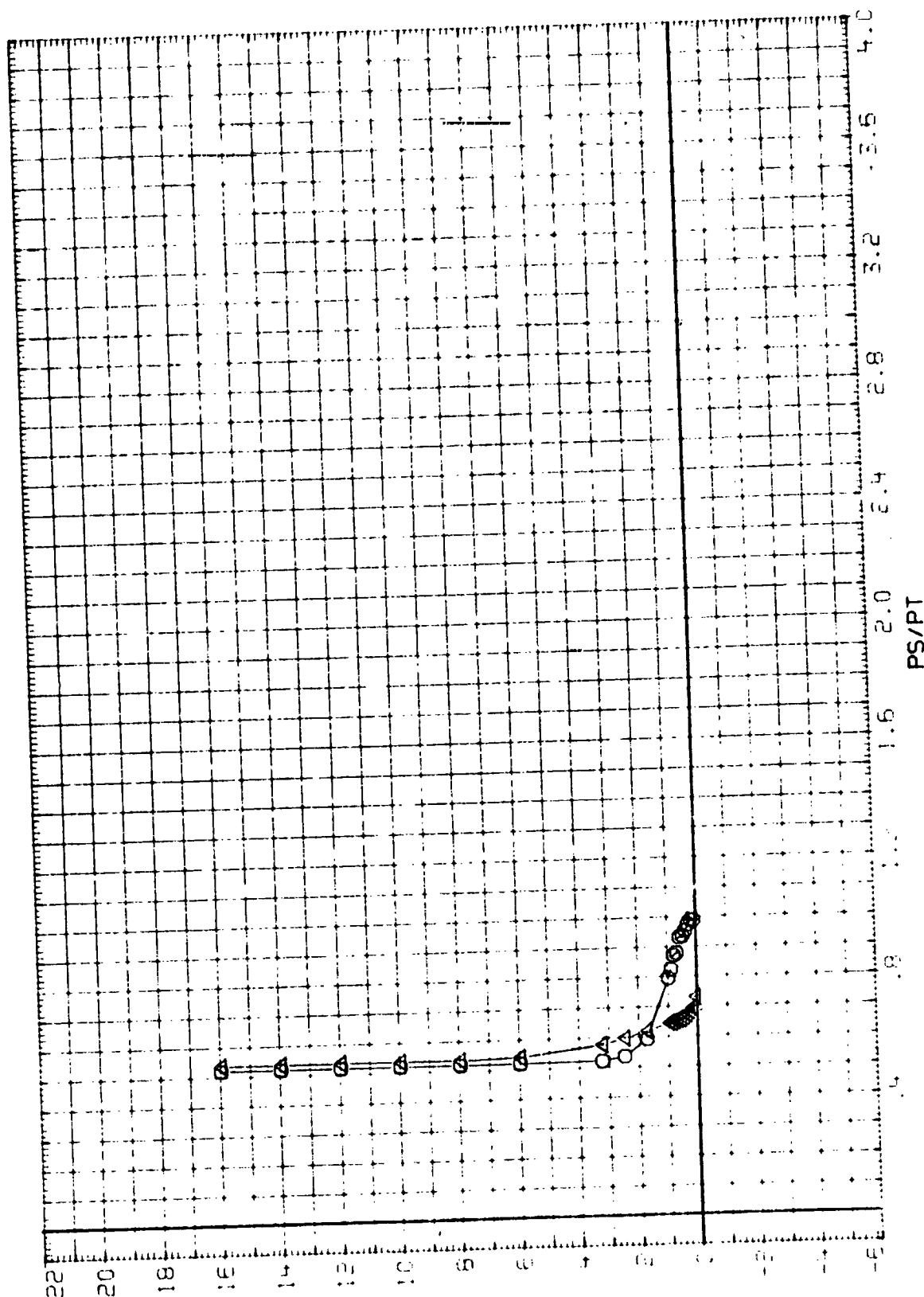


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BE7045) $\square$ AMES 11-97-010 058A.B SF1 + PA3 + BRP
 (BE7046) $\square$ DATA NOT AVAILABLE
 (BE7047) $\triangle$ DATA NOT AVAILABLE
 (BE7049) $\triangle$ AMES 11-97-010 058A.B SF1 + PA3 + BRA

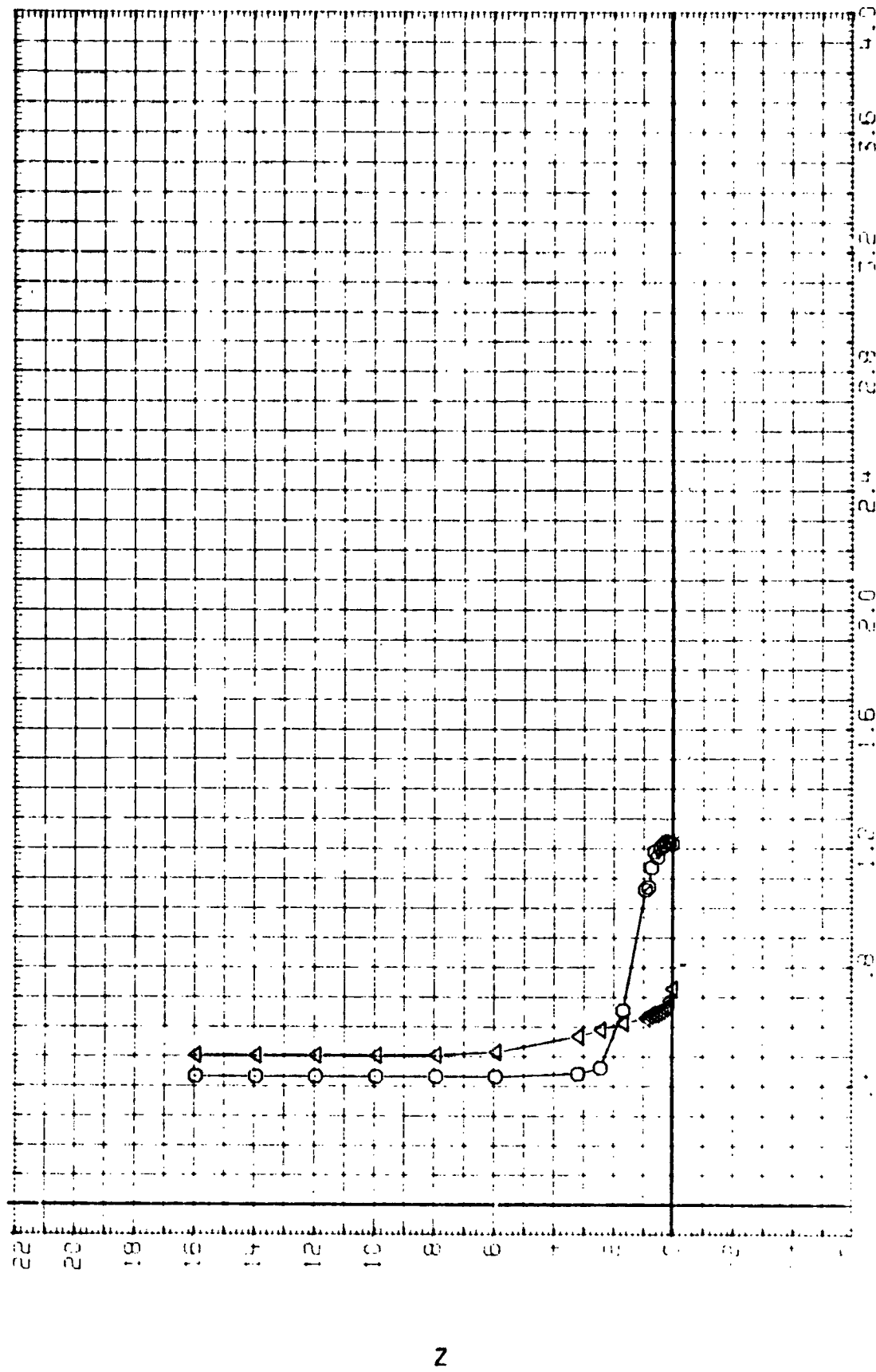


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHUCK FIXTURE

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 BE-C-5) O AMES 11-97-01C OSBA.B SF1 + PA3 + ERF
 BE-C-6) O DATA NOT AVAILABLE
 BE-D-7) O DATA NOT AVAILABLE
 BE-C-9) O AMES 11-97-01C OSBA.B SF1 + PA3 + BRA

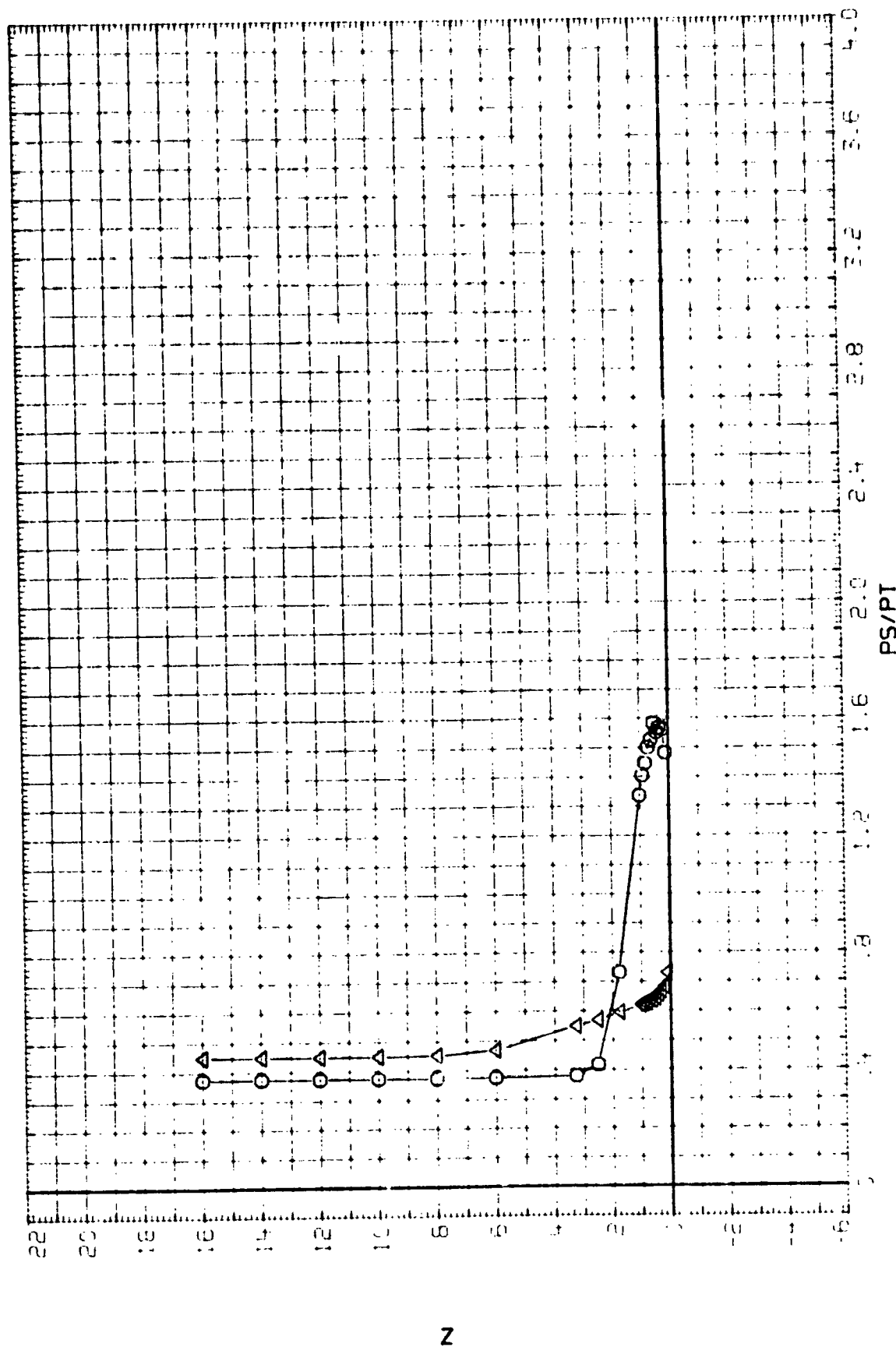


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BX40451)
(BX40452)
(BX40453)
(BX40454)
(BX40455)

DATA NOT AVAILABLE
DATA NOT AVAILABLE
DATA NOT AVAILABLE
DATA NOT AVAILABLE

ANES 11-97-01C 058A.B SF1 + PA3 + BRA

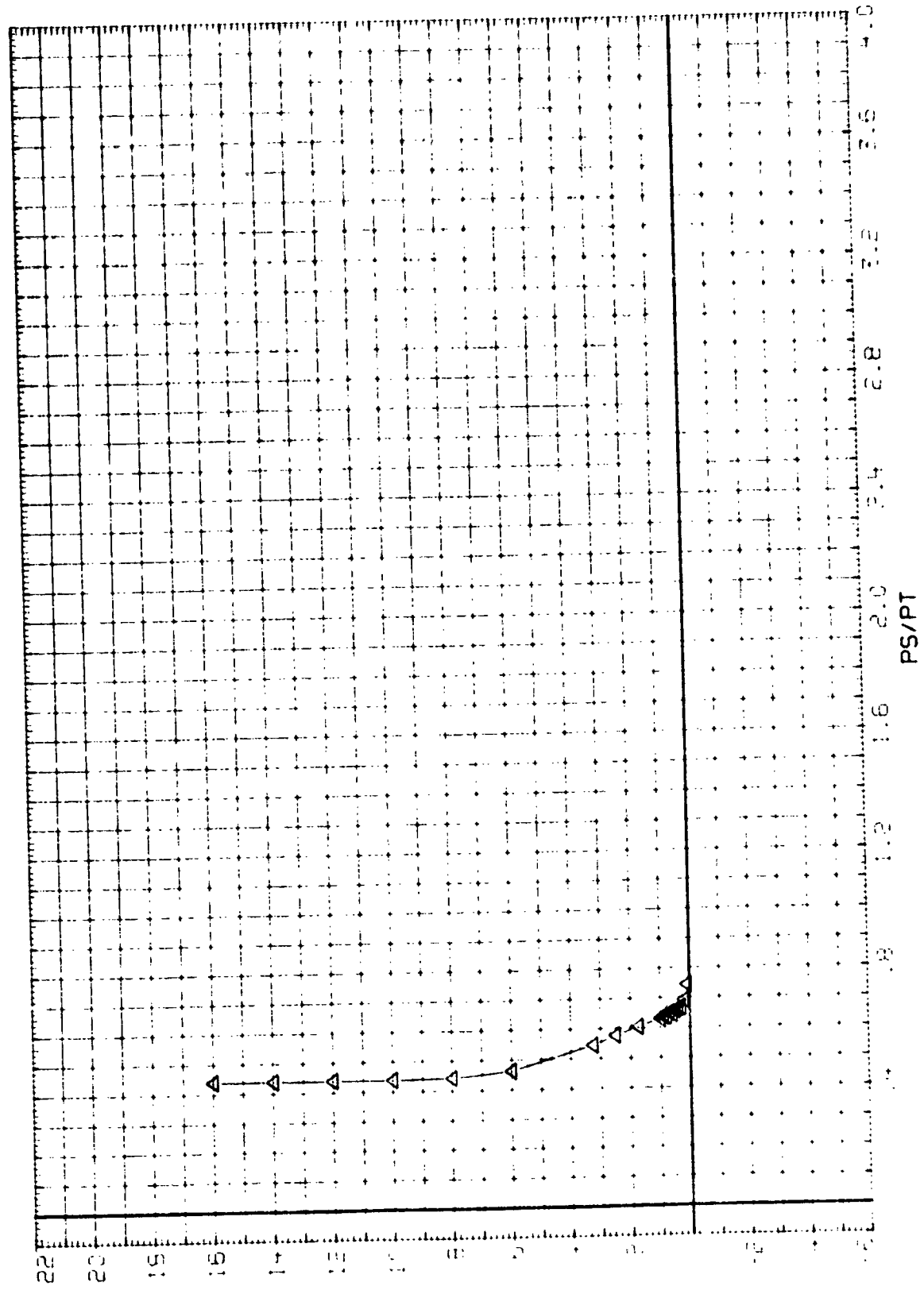


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

[illegible]

100

1-2

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX045)	○	AMES 11-97-010 OSBA,B SF1 + P13 + BRP
(BEX046)	□	DATA NOT AVAILABLE
(BEX047)	△	DATA NOT AVAILABLE
(BEX049)	△	AMES 11-97-010 OSBA,B SF1 + P13

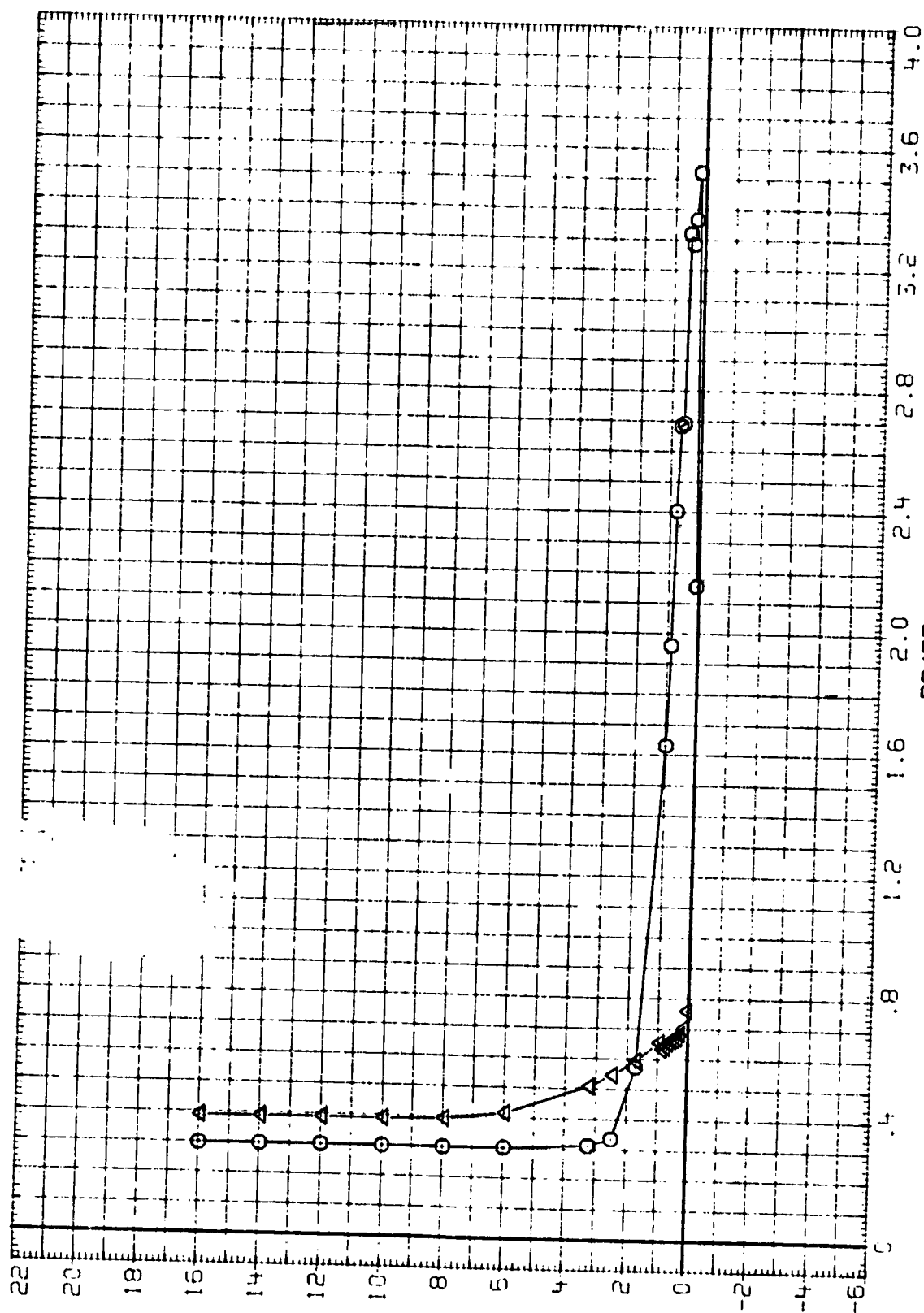


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

(G) MACH = .88

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (LX045) DATA NOT AVAILABLE
 (BX046) DATA NOT AVAILABLE
 (BX047) DATA NOT AVAILABLE
 (BX049) AXES 11-97-010 058A.B SF1 + PA3 + BRA

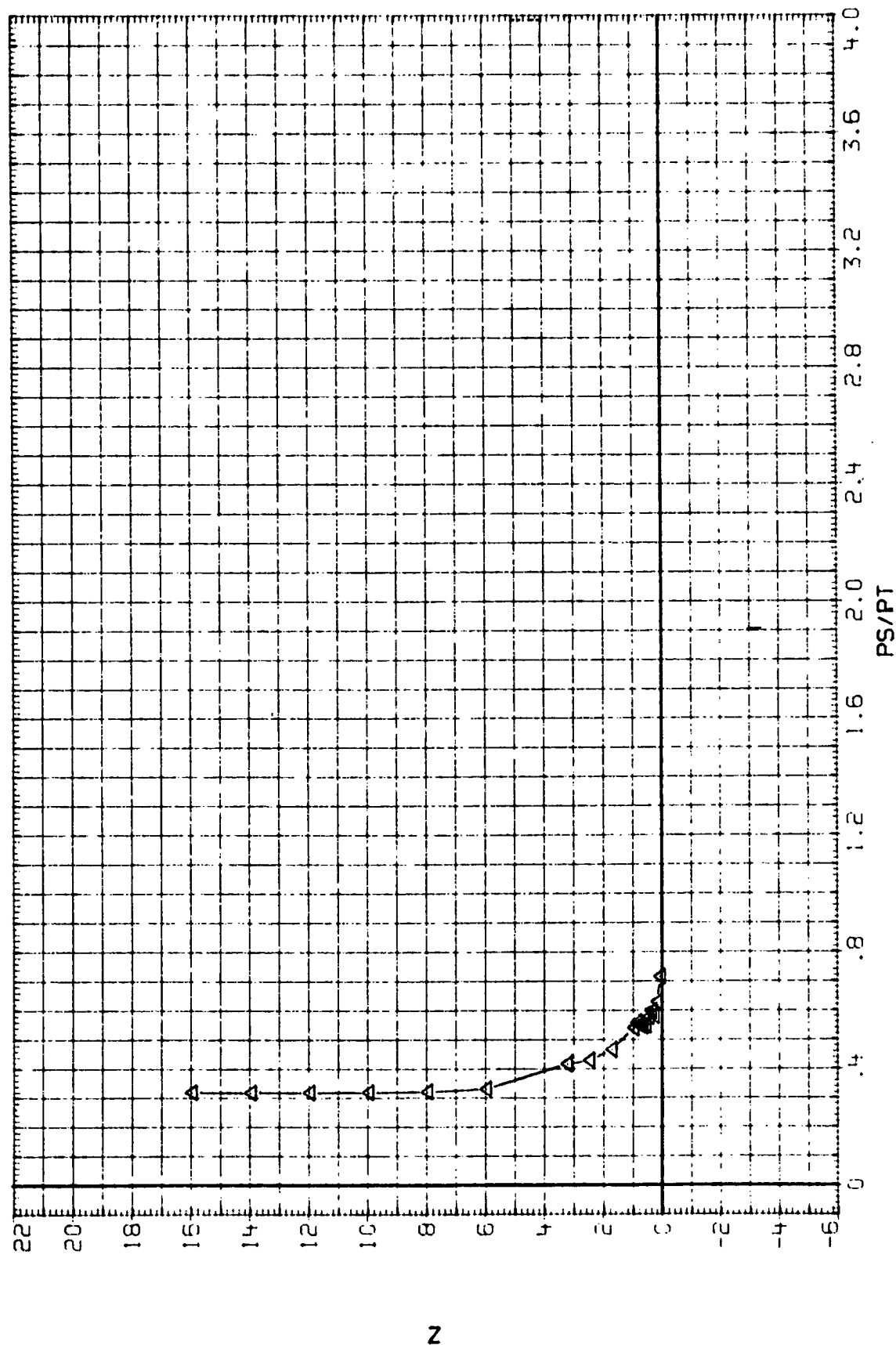


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX045) DATA NOT AVAILABLE
 (BEX046) AMES 11-97-010 058A.B SF1 + PA3 + BRP
 (BEX047) DATA NOT AVAILABLE
 (BEX049) AMES 11-97-010 058A.B SF1 + PA3 + BRA

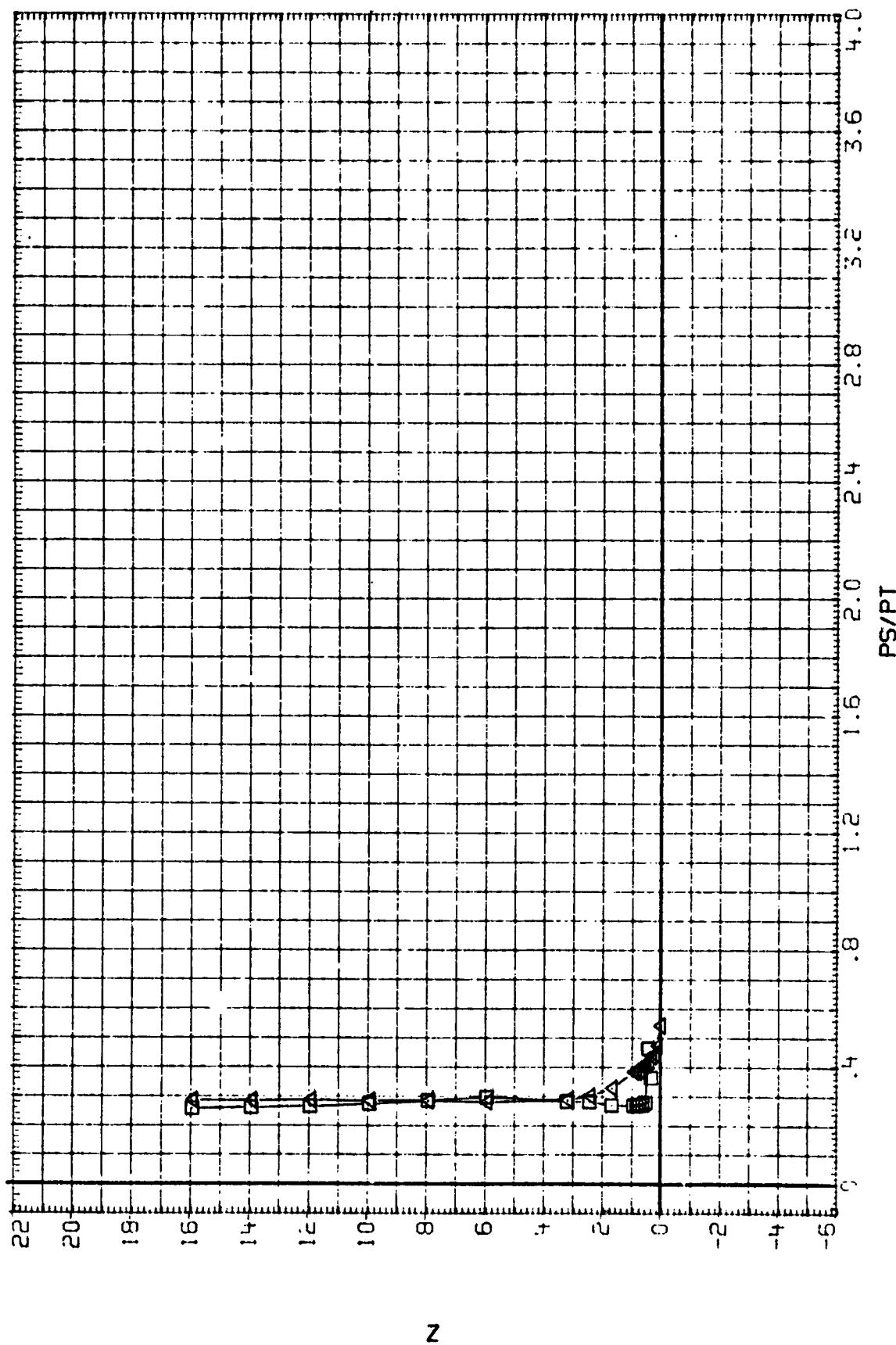


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

(1) MACH = .92

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX0+5) DATA NOT AVAILABLE
 (BEX0+6) DATA NOT AVAILABLE
 (BEX0+7) DATA NOT AVAILABLE
 (BEX0+9) ANES 11-97-010 OSBA.B SF1 + PA3 + BRA

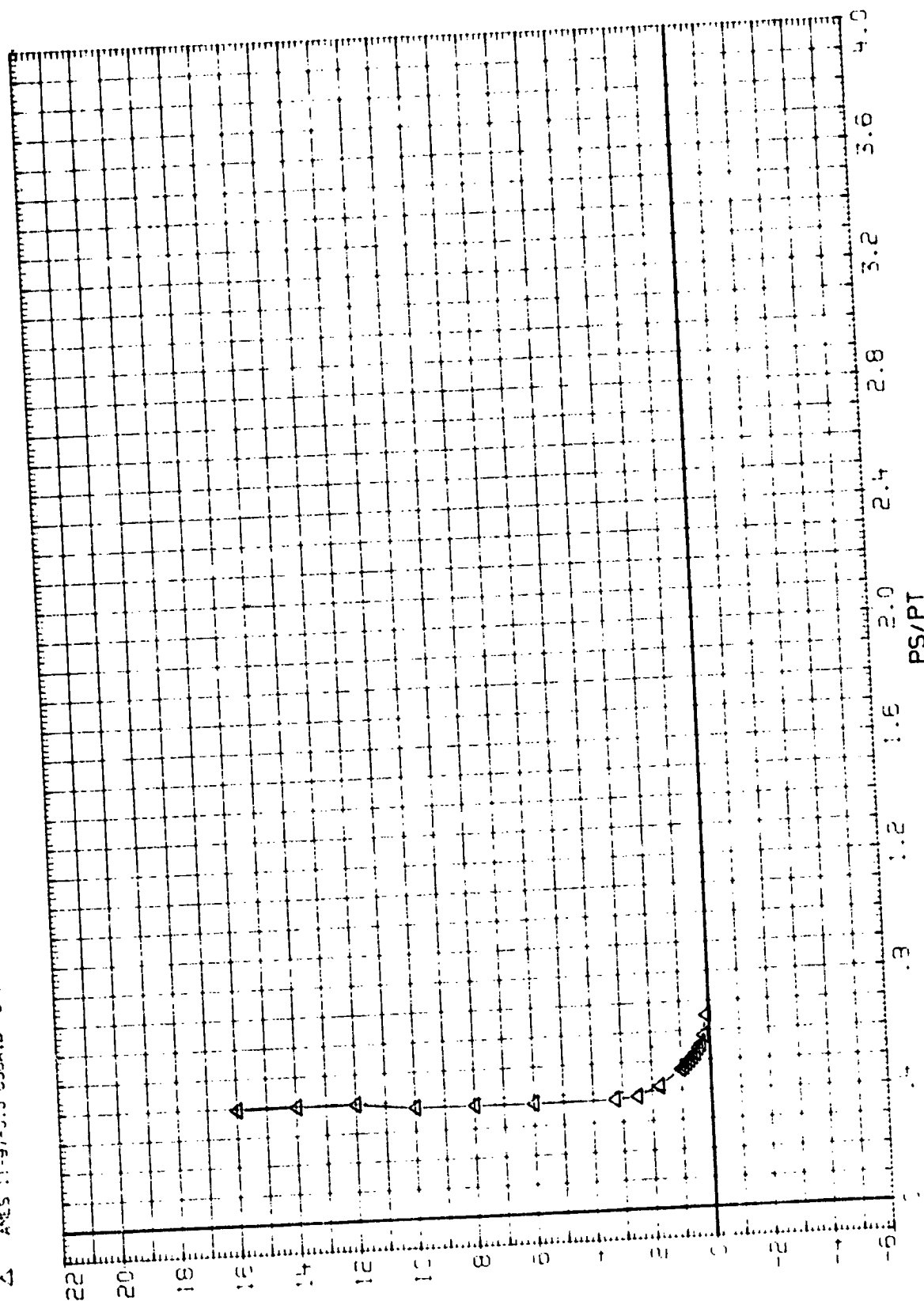


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BX045) DATA NOT AVAILABLE
 (BX046) DATA NOT AVAILABLE
 (BX047) AMES 11-97-010 OS8A.8 SFI + PA3 + BRP
 (BX049) AMES 11-97-010 OS8A.8 SFI + PA3 + BRA

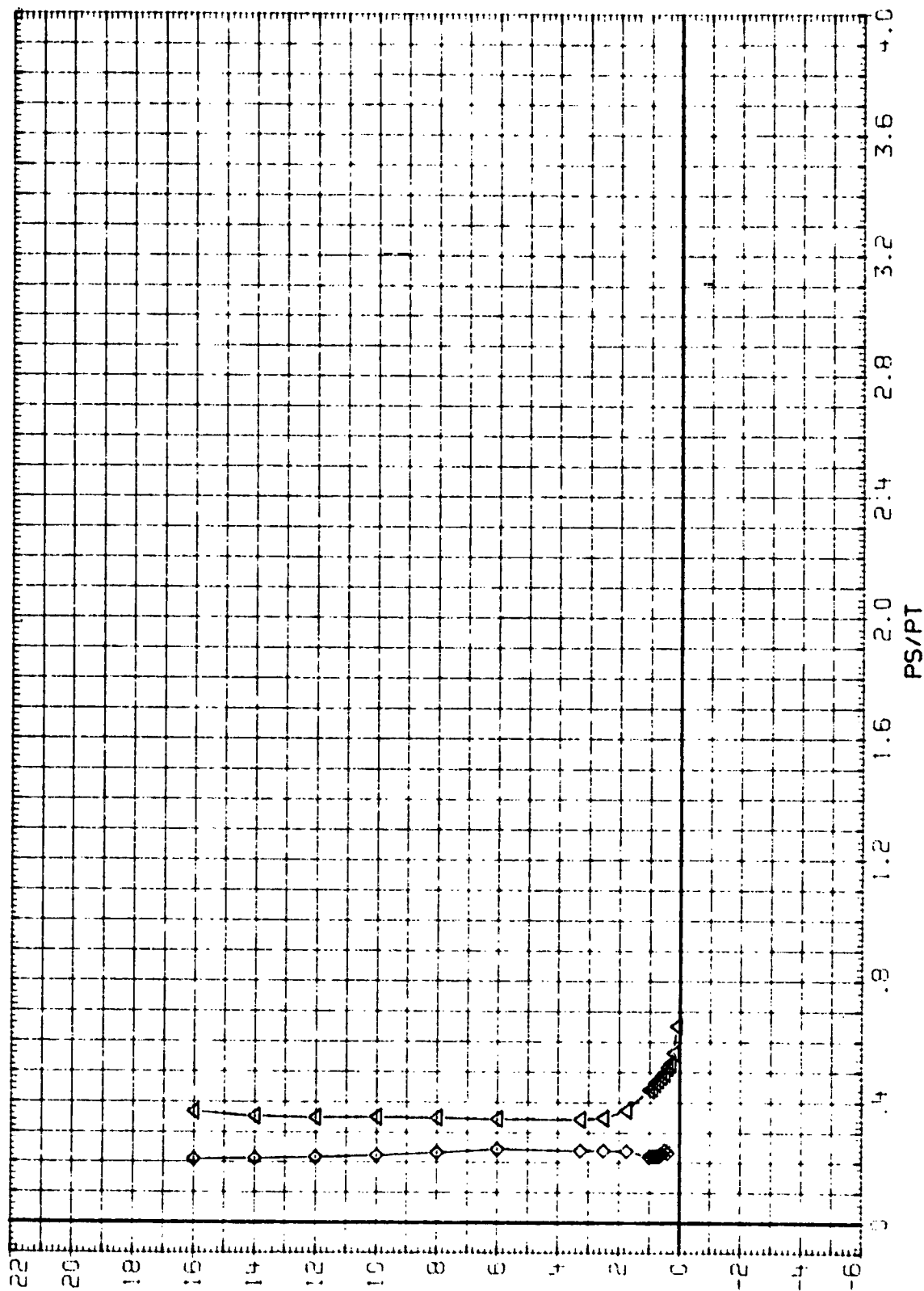


FIG. 10 EFFECT OF RAKE POSITION, EXPANSION SHOCK FIXTURE

(K) MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX027)	○	AMES 11-97-010 OSBA,B SF2 + PA3 + BR
(BEX029)	□	AMES 11-97-010 OSBA,B SF2 + PA3 + BR

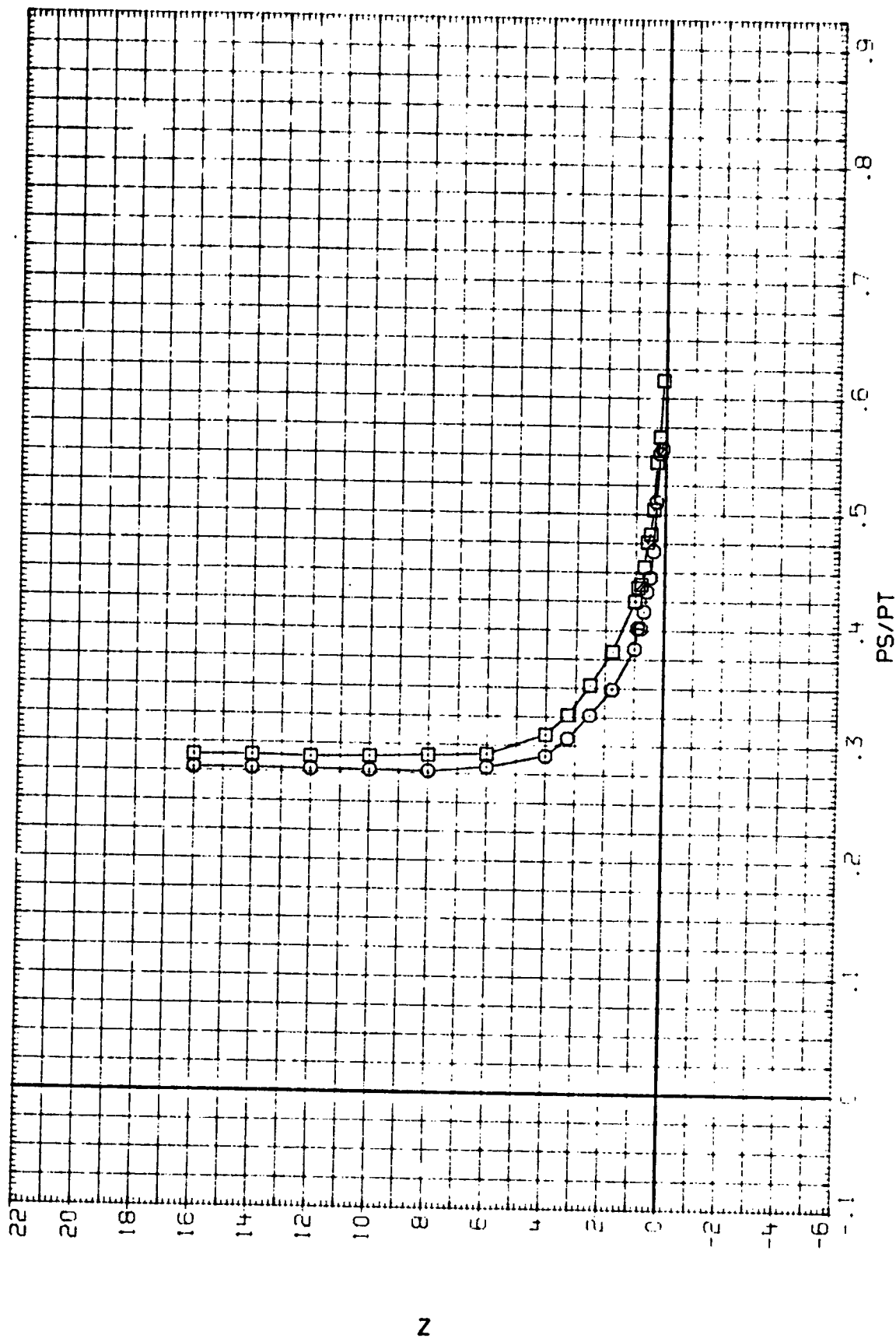


FIG. 11 EFFECT OF RAKE POSITION, COMPRESSION SHOCK FIXTURE

(A1MACH = 1.50)

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX027) O AMES 11-97-010 058A.8 SF2 + PA3 + BRP
 (BEX029) □ AMES 11-97-010 058A.8 SF2 + PA3 + BRA

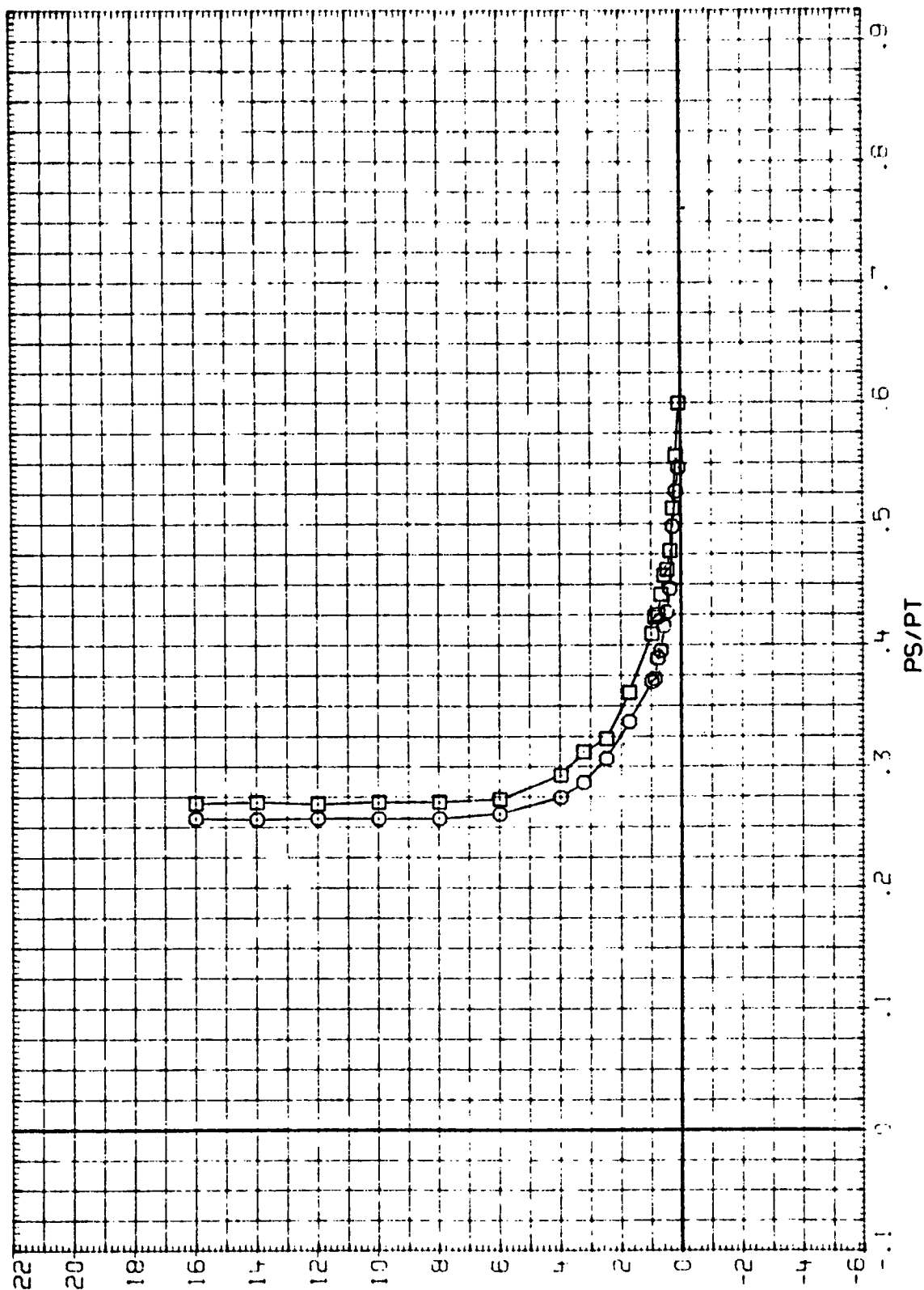


FIG. 11 EFFECT OF RAKE POSITION, COMPRESSION SHOCK FIXTURE

(B)MACH = 1.70

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX028) $\square$ AMES 11-97-010 OS8A.8 SF2 + PA3 + BRP
 (BEX030) $\square$ AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

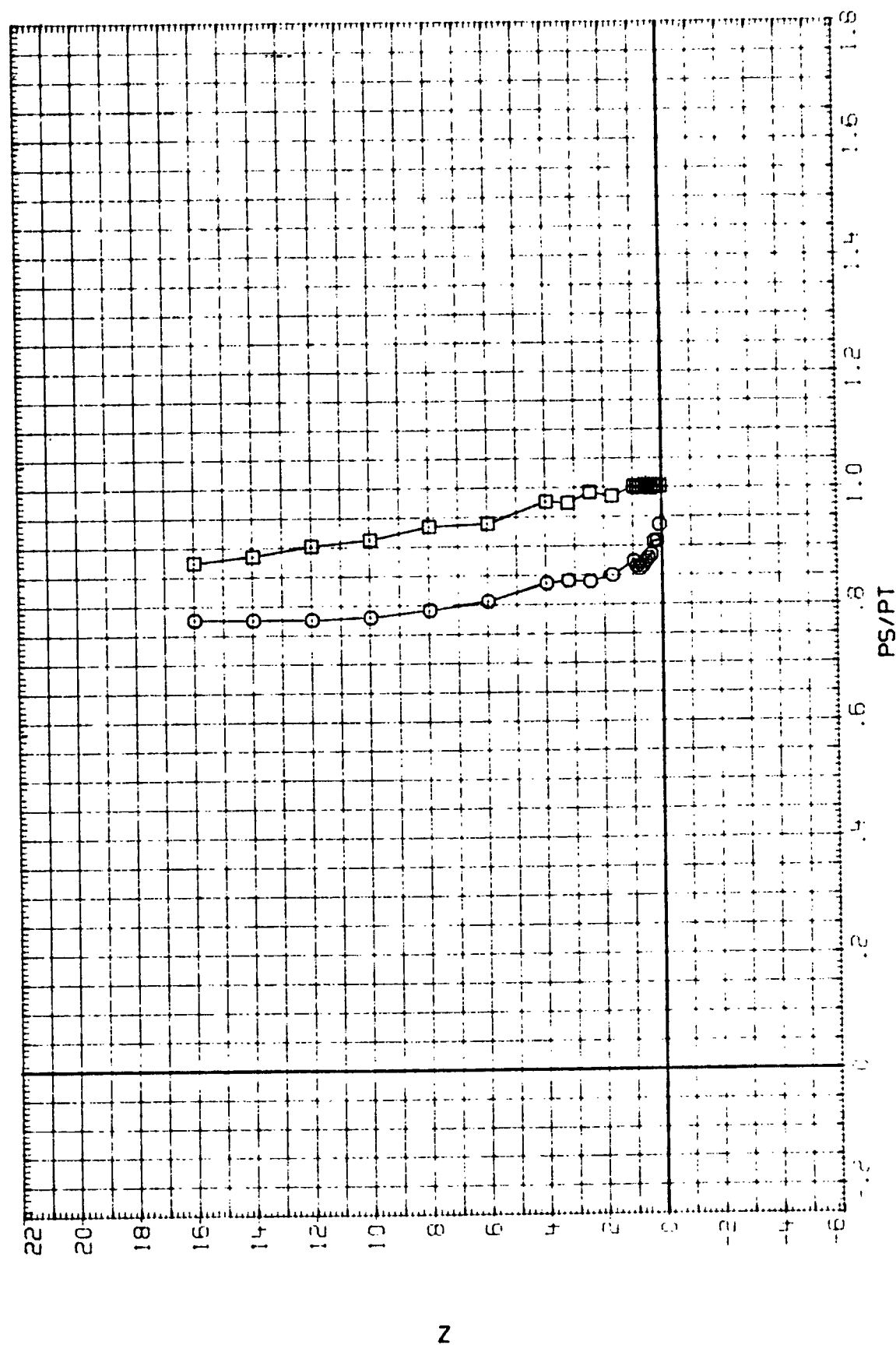


FIG. 11 EFFECT OF RAKE POSITION, COMPRESSION SHOCK FIXTURE

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX028) $\square$ AMES 11-97-010 058A.B SF2 + PA3 + 3RF
 (BEX030) $\square$ AMES 11-97-010 058A.B SF2 + PA3 + B7A

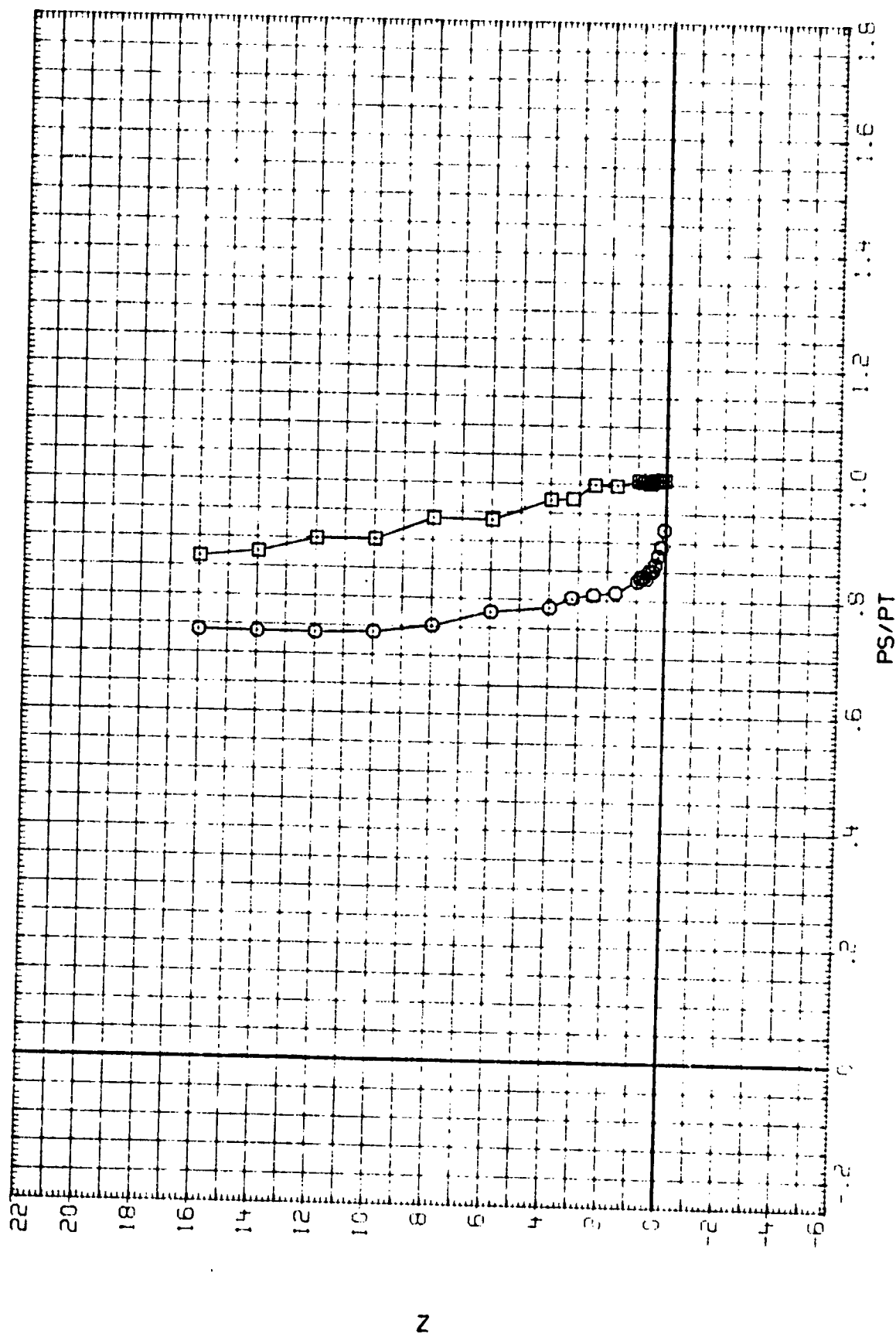
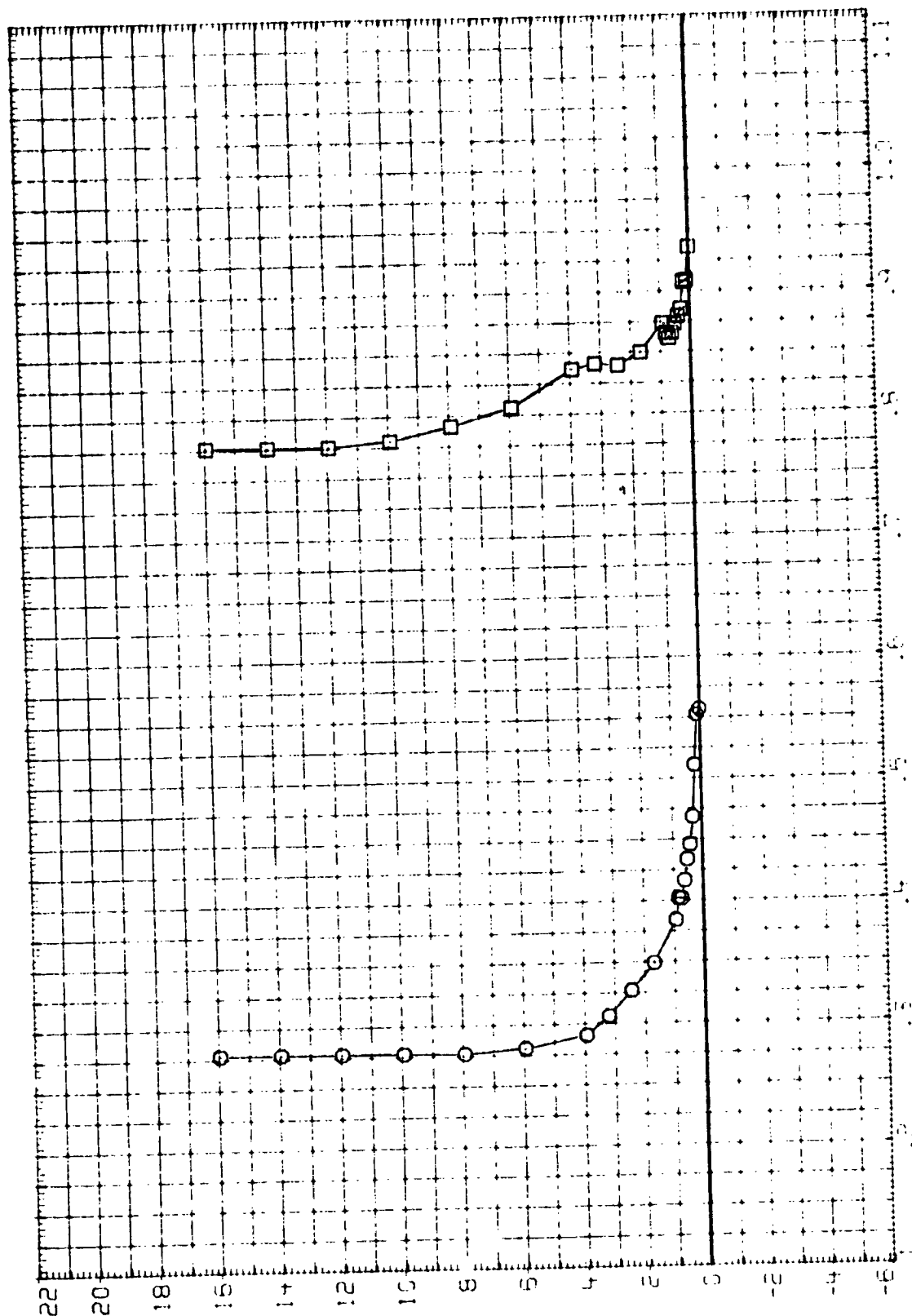


FIG. 11 EFFECT OF RAKE POSITION, COMPRESSION SHOCK FIXTURE

(B)MACH = 1.70

SF2
.000
95.000

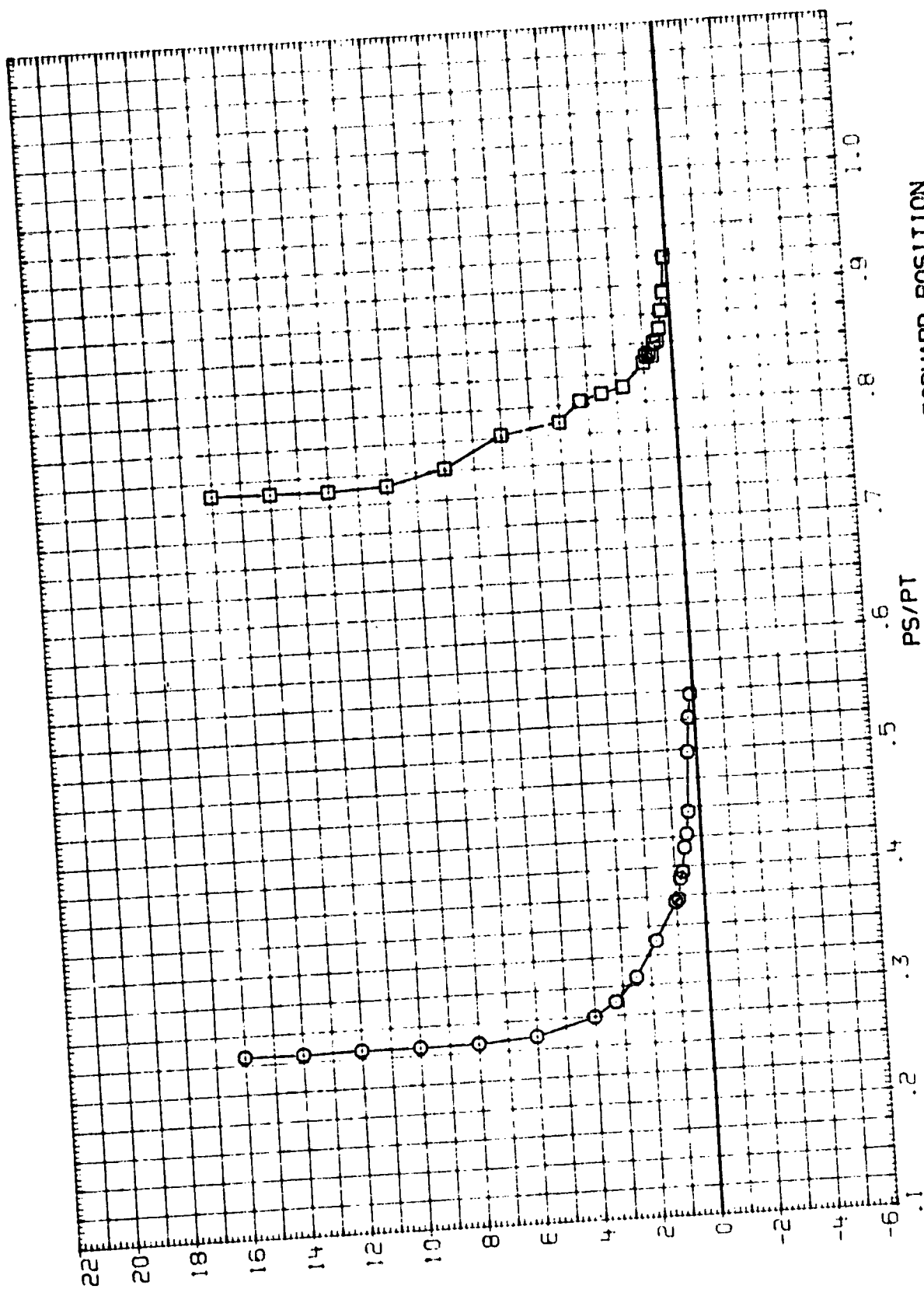
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BEX027) O AMES 11-97-010 OSBA.B SF2 + PA3 + BRP
(BEX028) □ AMES 11-97-010 OSBA.B SF2 + PA3 + BRP



PS/PT
FIG. 12 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN FORWARD POSITION

SF2
.000
85.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BEX027) $\square$ AMES 11-97-010 OS8A,B SF2 + PA3 + BRP
(BEX028) $\square$ AMES 11-97-010 OS8A,B SF2 + PA3 + BRP



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FIG. 12 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN FORWARD POSITION

(A) MACH = 1.70

(BEX027) AMES 11-97-010 US8A.B SF2 + PA3 + BRF

SYMBOL MACH PT B. POS
 1.600
 1.700
 10.119 SF2
 1.003
 .000

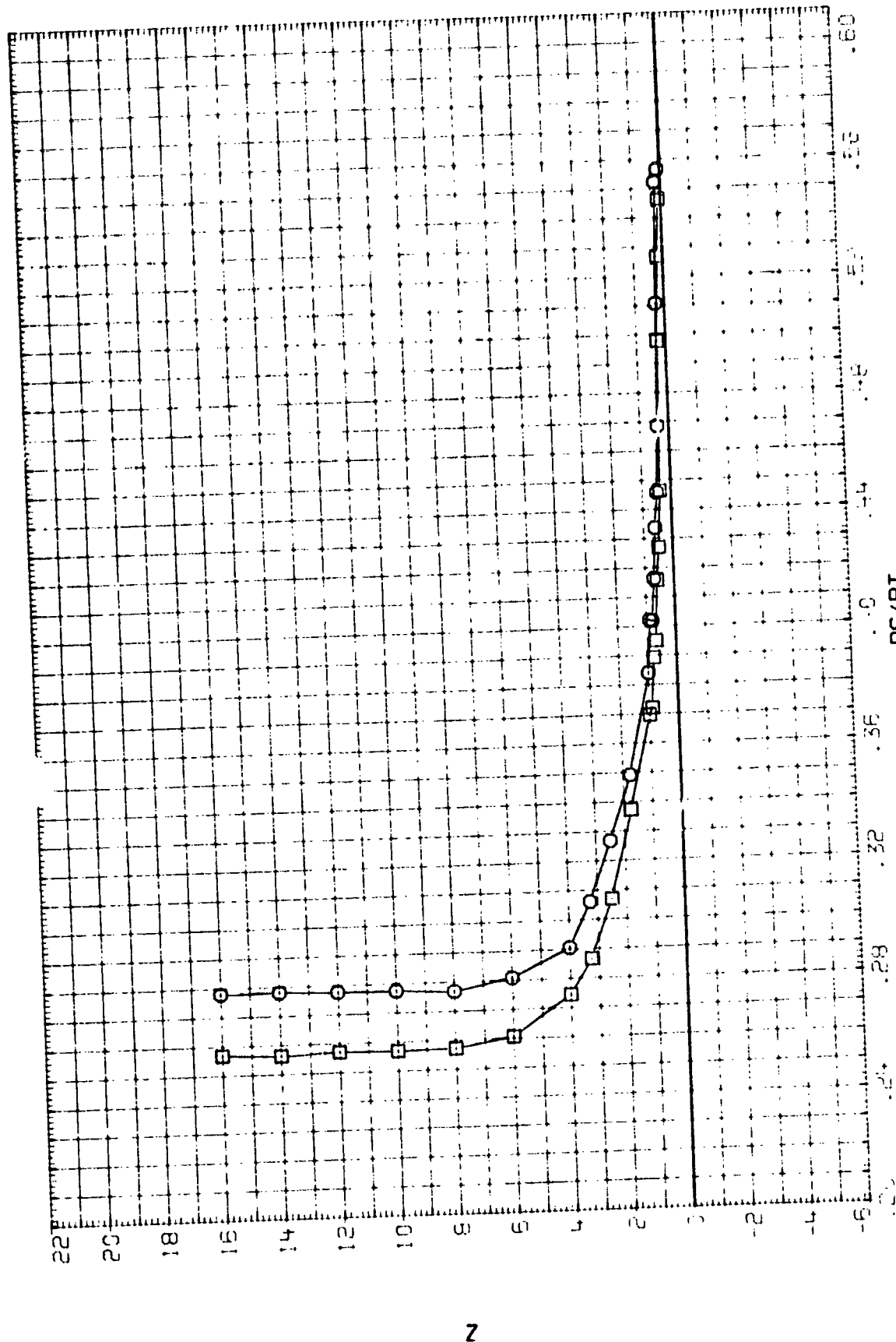


FIG. 13 EFFECT OF MACH , COMPRESSION SHOCK FIXTURE , RAKE IN FORWARD POSITION

(BEX028) AMES 11-97-010 OS8A.8 SF2 + PA3 + BRF

PARAMETRIC VALUES
 MACH 1.600 PT 95.000
 1.700 BLPOS 10.110 SF2 1.000

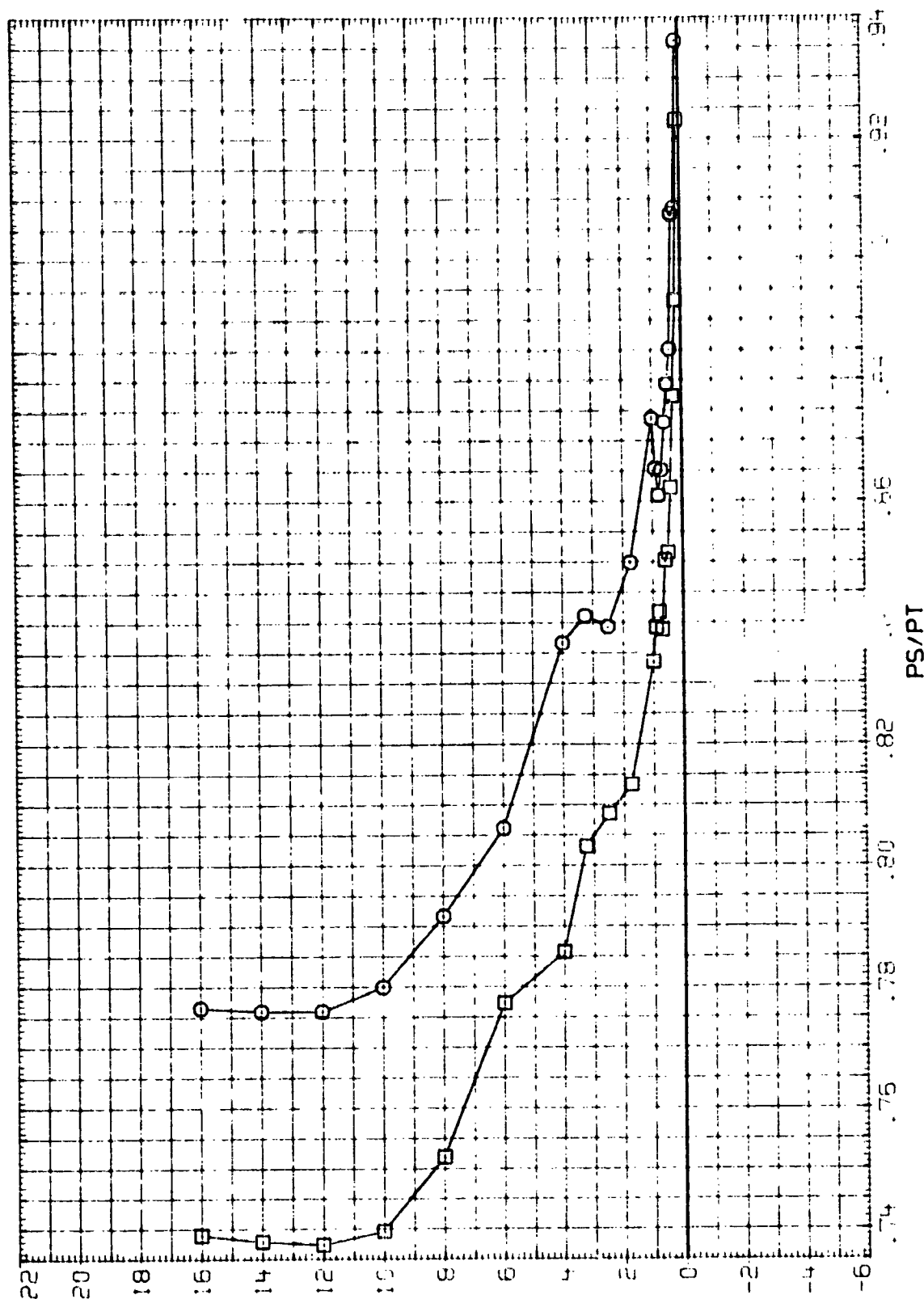


FIG. 13 EFFECT OF MACH , COMPRESSION SHOCK WAVE POSITION IN FORWARD POSITION

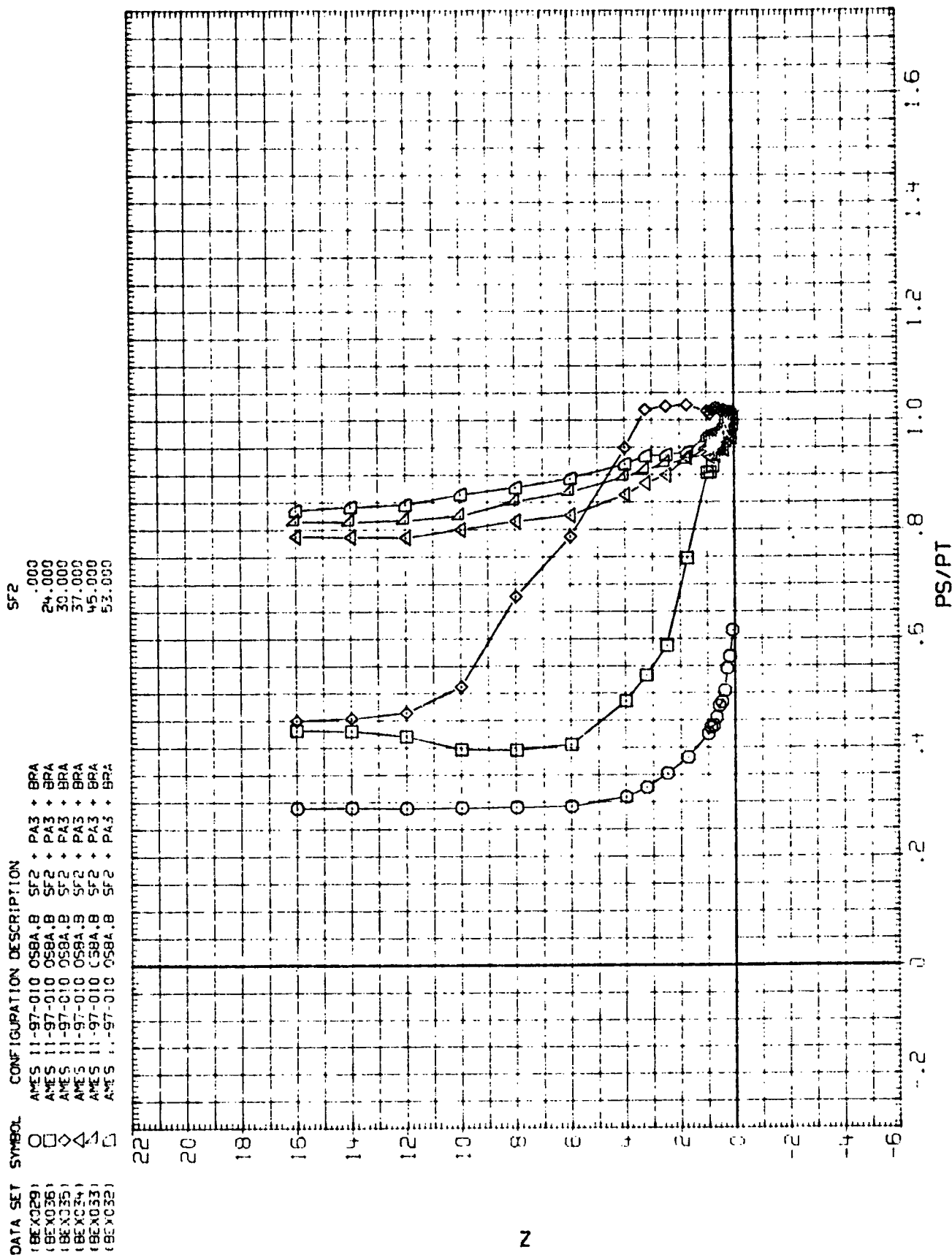


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(A) MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	SF2
BE X035	○	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA	30.000
BE X034	□	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA	37.000
BE X033	◇	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA	45.000
BE X032	△	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA	53.000
BE X031	▽	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA	64.000
BE X030	◇	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA	85.000

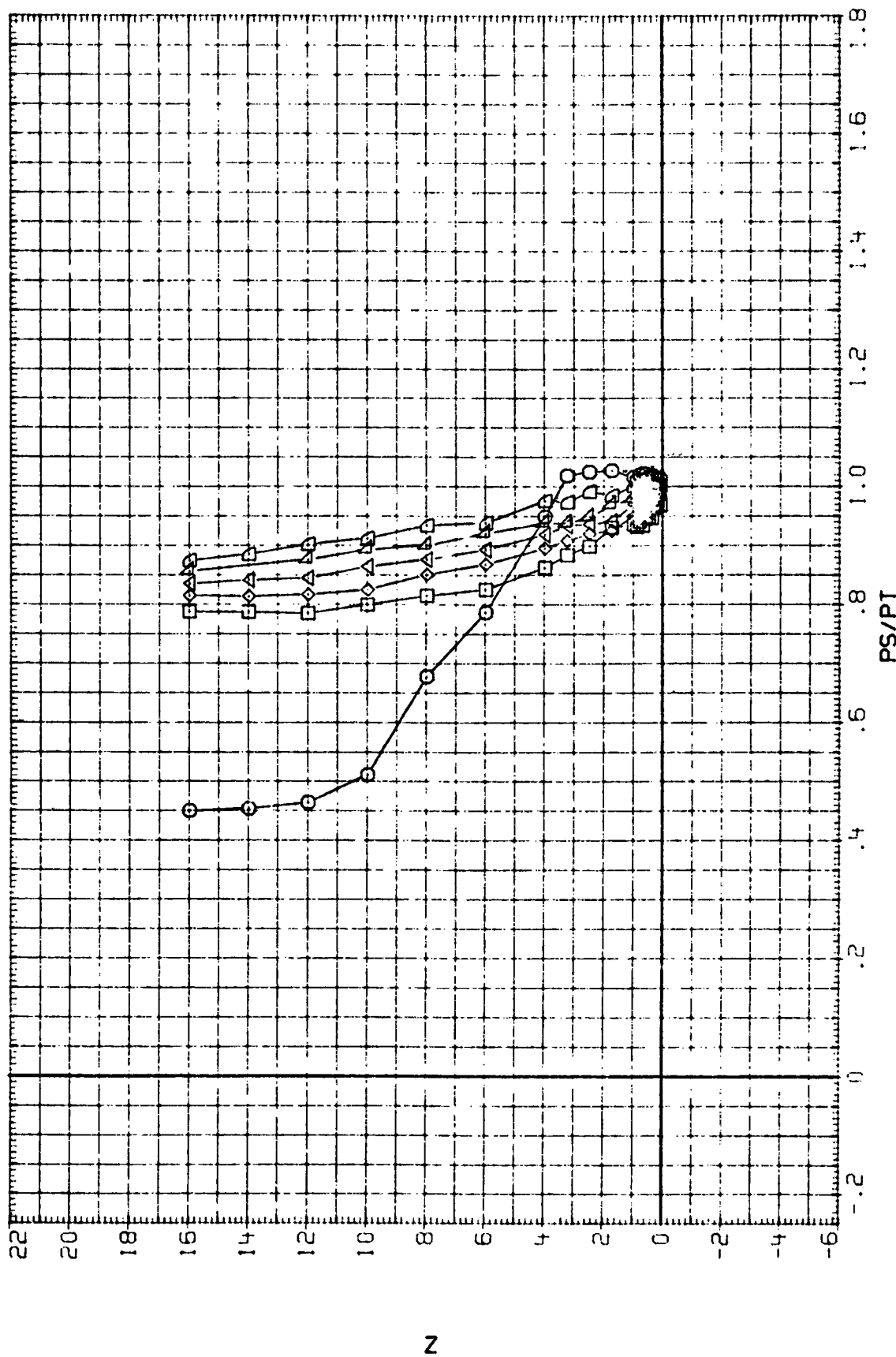


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE,RAKE IN AFT POSITION

(A) MACH = 1.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX029) $\square$ AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA
 (BEX030) $\square$ AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

SF2
 .000
 85.000

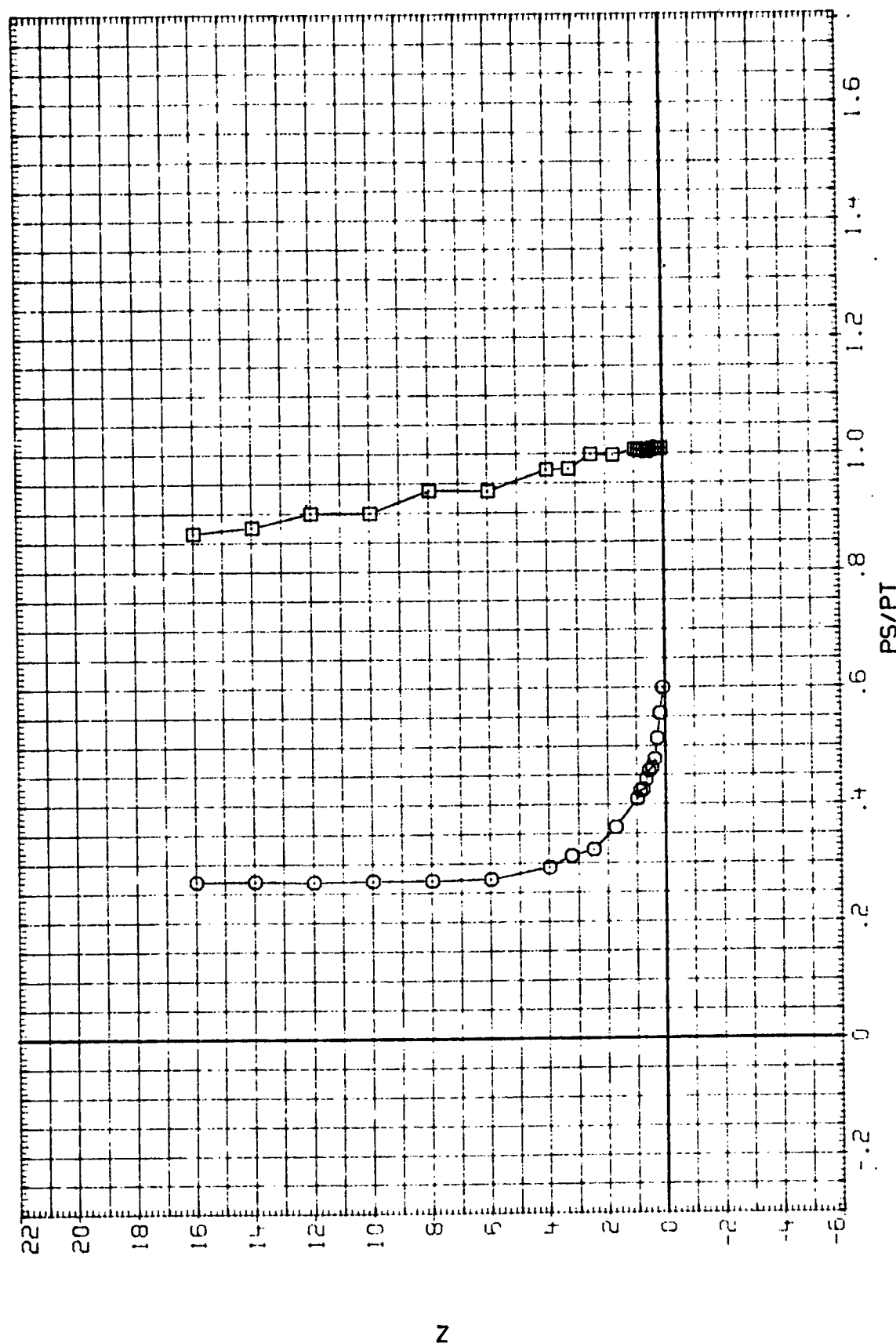


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(A) MACH = 1.70

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX029) ☐ AMES 11-97-010 OS8A.B SF2 + PA3 + BRA
 (BEX030) ☐ AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SF2
 .000
 85.000

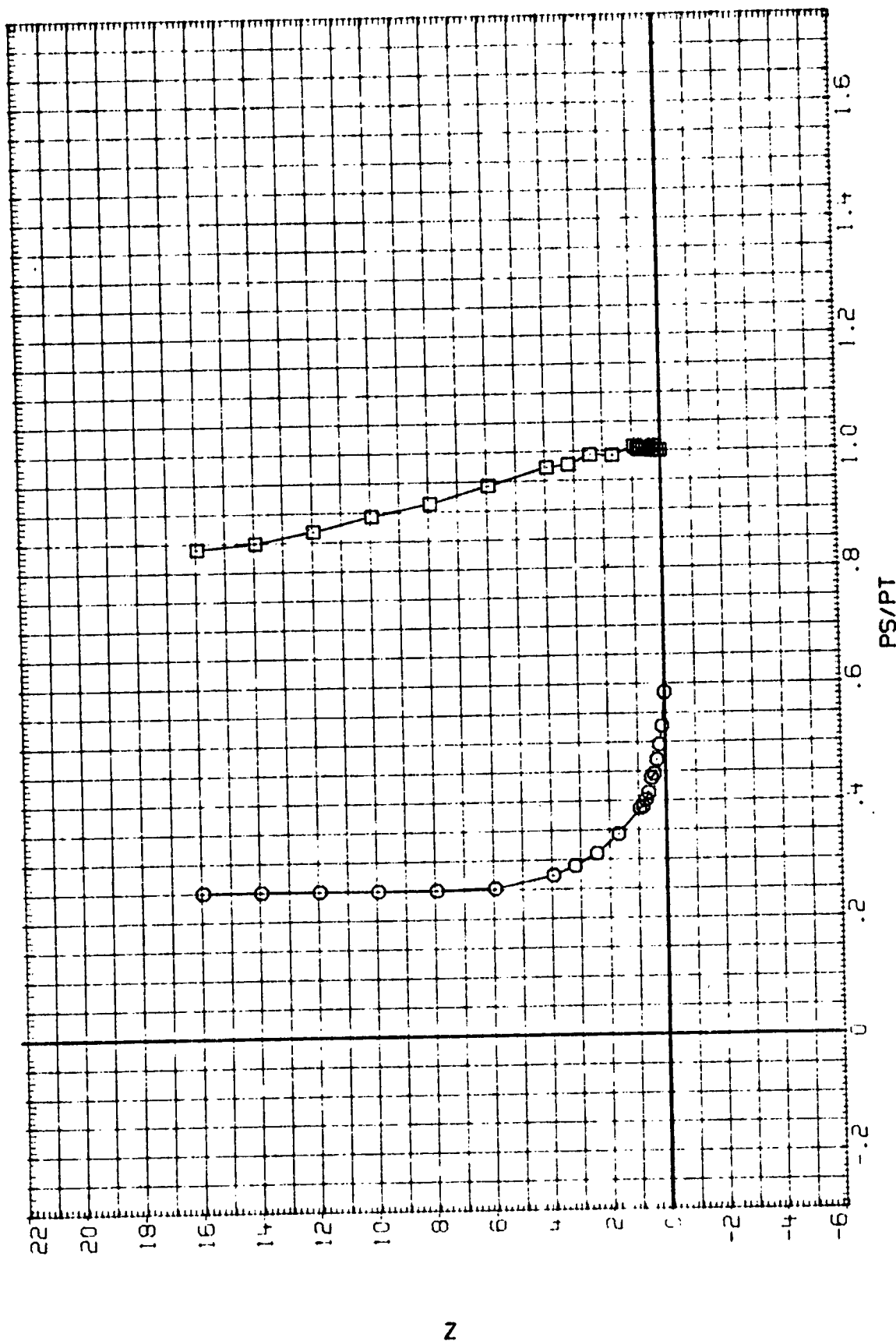


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(B) MACH = 1.80

SF2
.000
85.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
'BEX029) O AMES 11-97-010 OS8A,B SF2 + PA3 + BRA
'BEX030) □ AMES 11-97-010 OS8A,B SF2 + PA3 + BPA

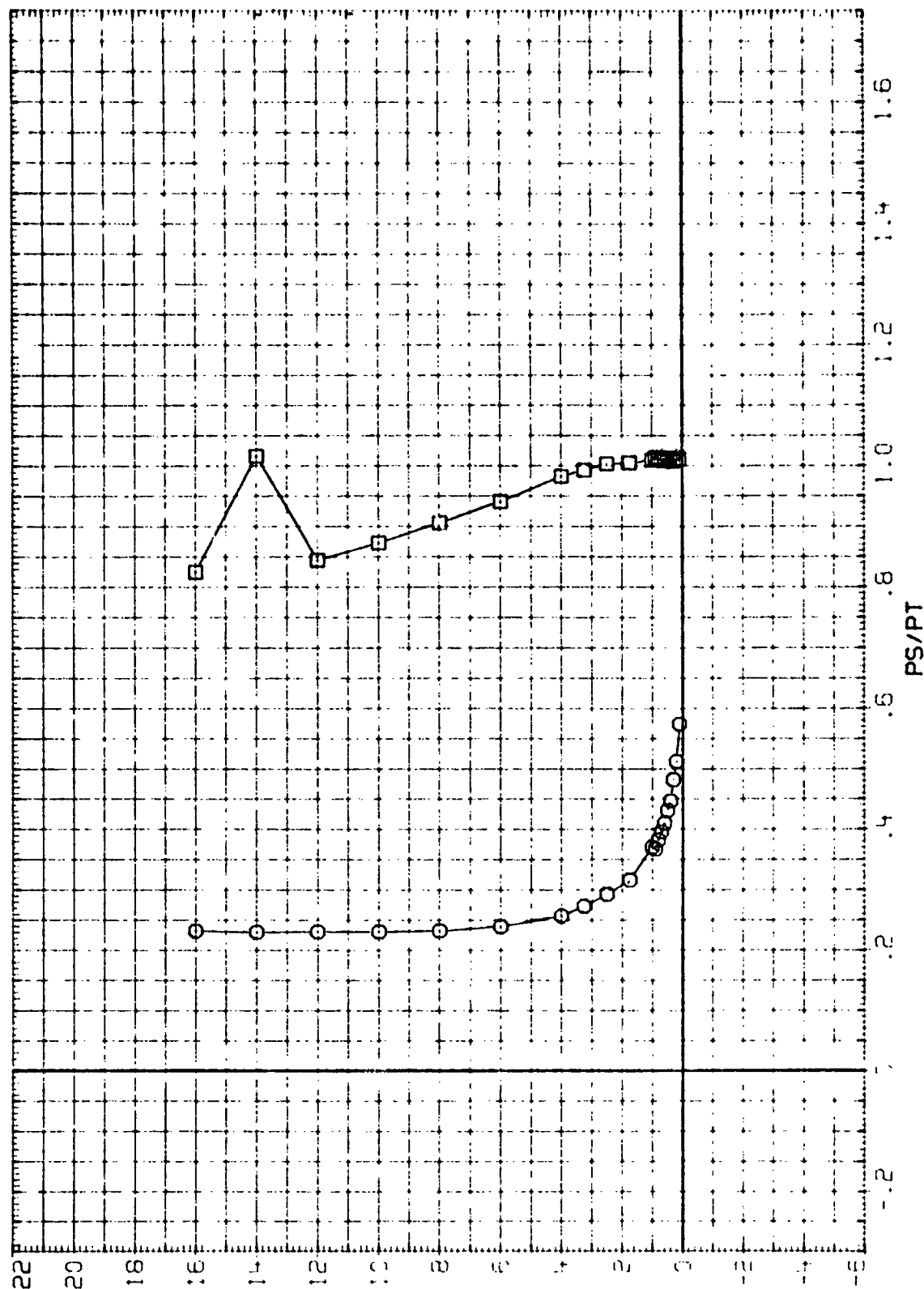


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

SF2
 .000
 24.000
 30.000
 37.000
 45.000
 53.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BEX029)	○	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
(BEX035)	◇	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
(BEX035)	△	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
(BEX034)	△	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
(BEX033)	△	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
(BEX032)	△	AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

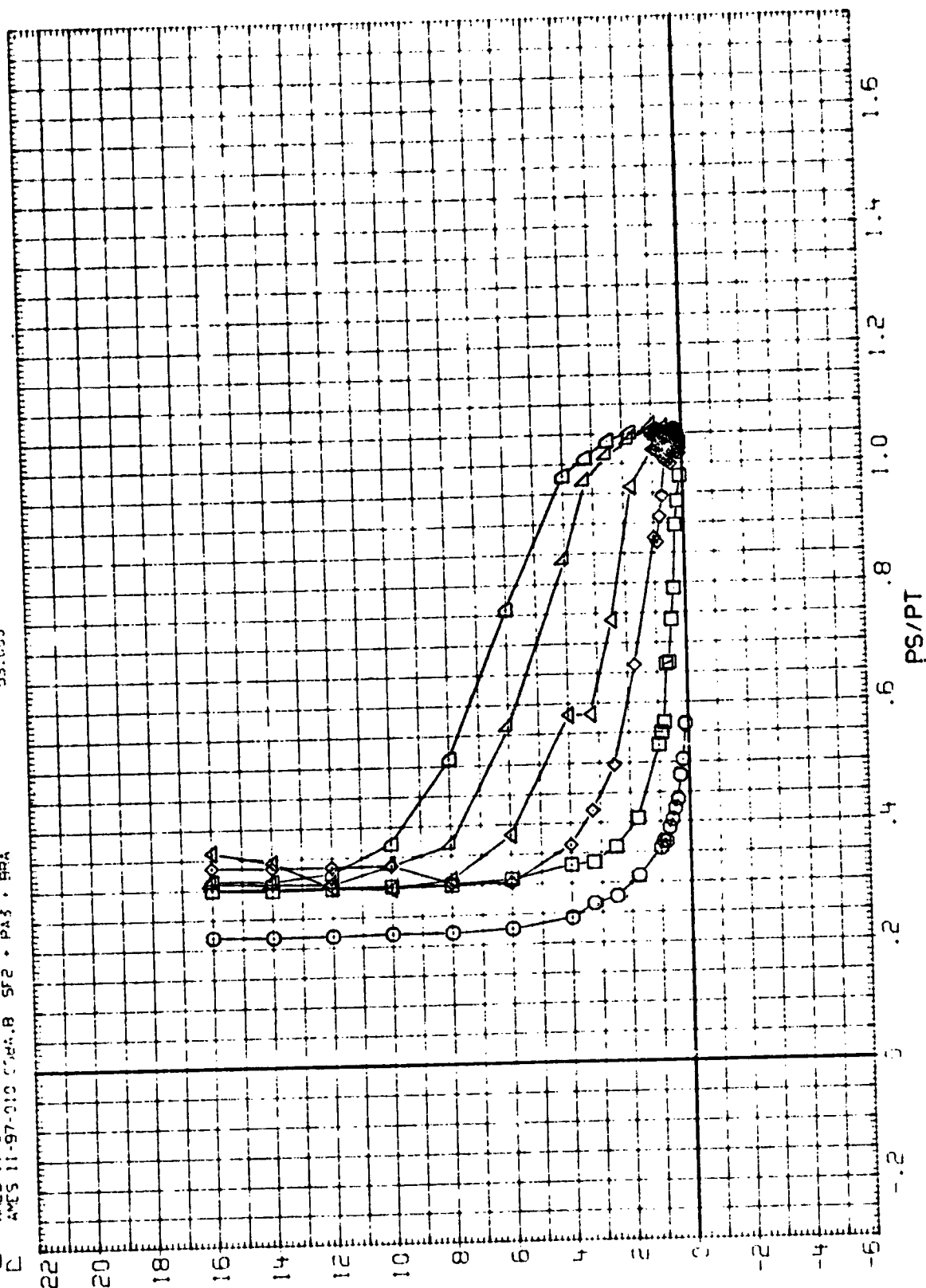


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(A) MACH = 2.00

SF2
30.000
37.000
45.000
53.000
64.000
85.000

CONFIGURATION DESCRIPTION
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

DATA SET SYMBOL
(BEX035) $\square$
(BEX034) $\diamond$
(BEX033) $\triangle$
(BEX032) $\square$
(BEX031) $\square$
(BEX030) $\square$

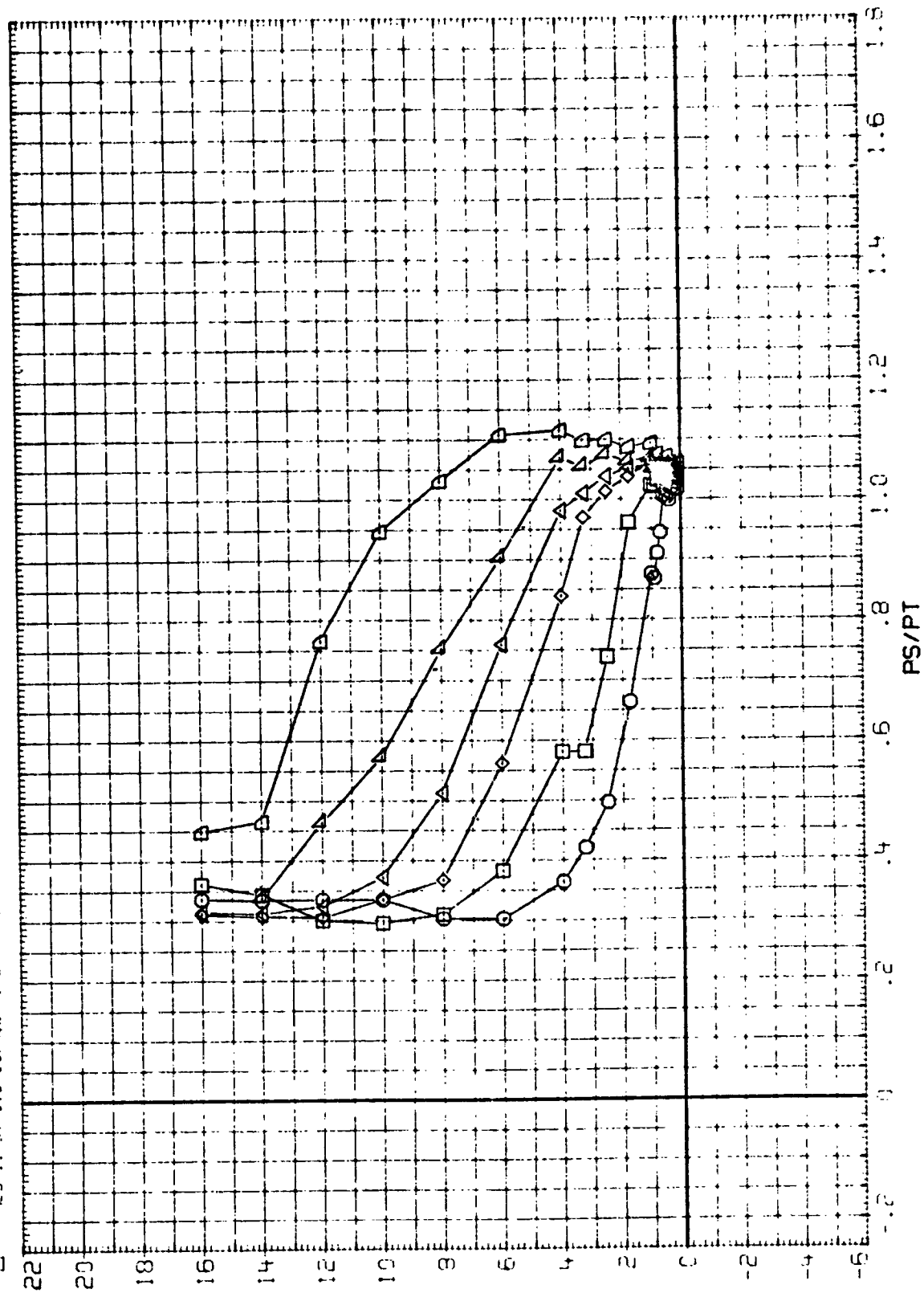


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE,RAKE IN AFT POSITION

SF2
0.000
85.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BEX029) ○ AMES 11-97-010 OSBA.B SF2 + PA3 + BRA
 (BEX030) □ AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

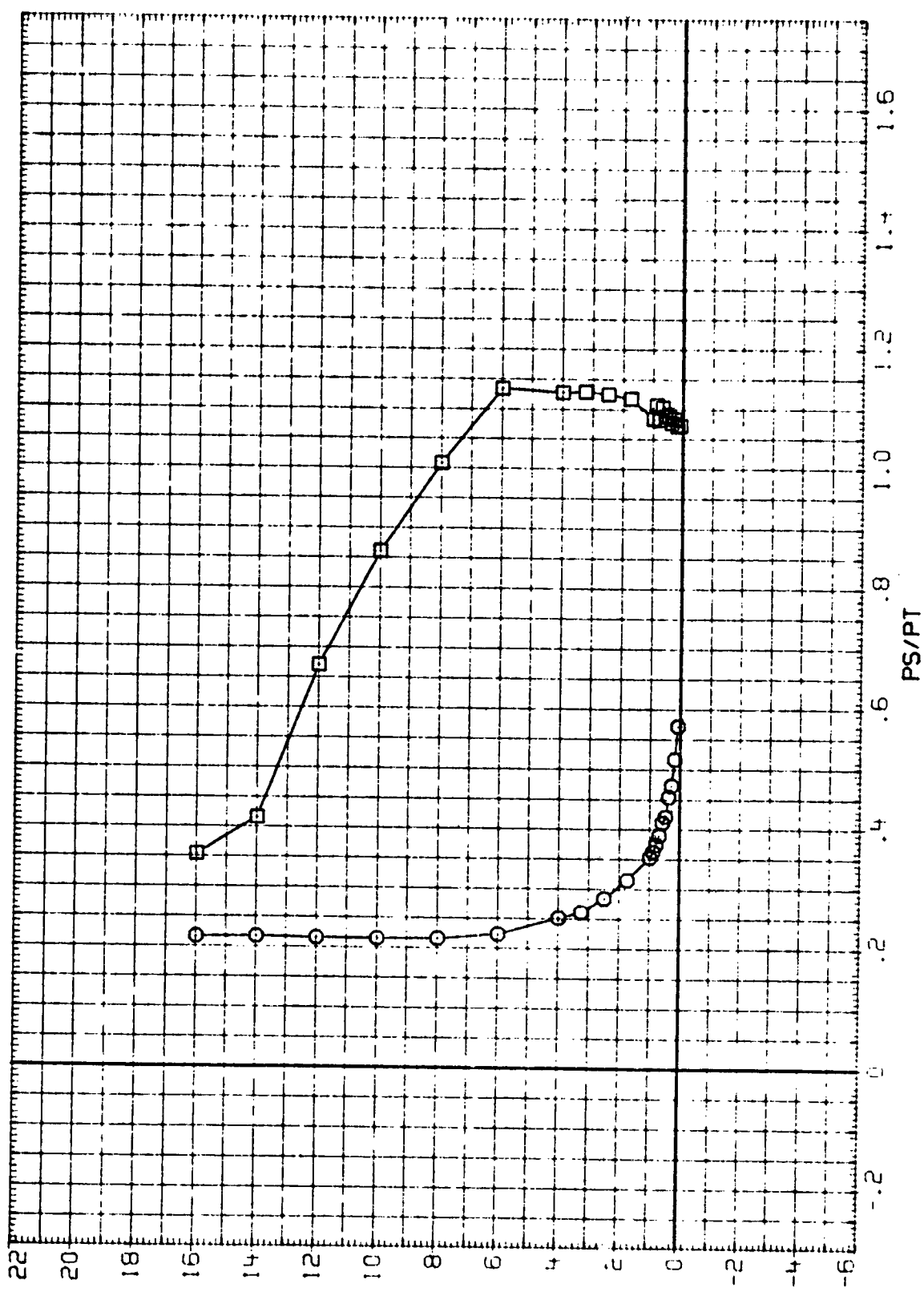


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(A1MACH = 2.10

SF2
.000
85.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BEX029) O AMES 11-97-010 058A.B SF2 + PA3 + BRA
(BEX030) □ AMES 11-97-010 058A.B SF2 + PA3 + BRA

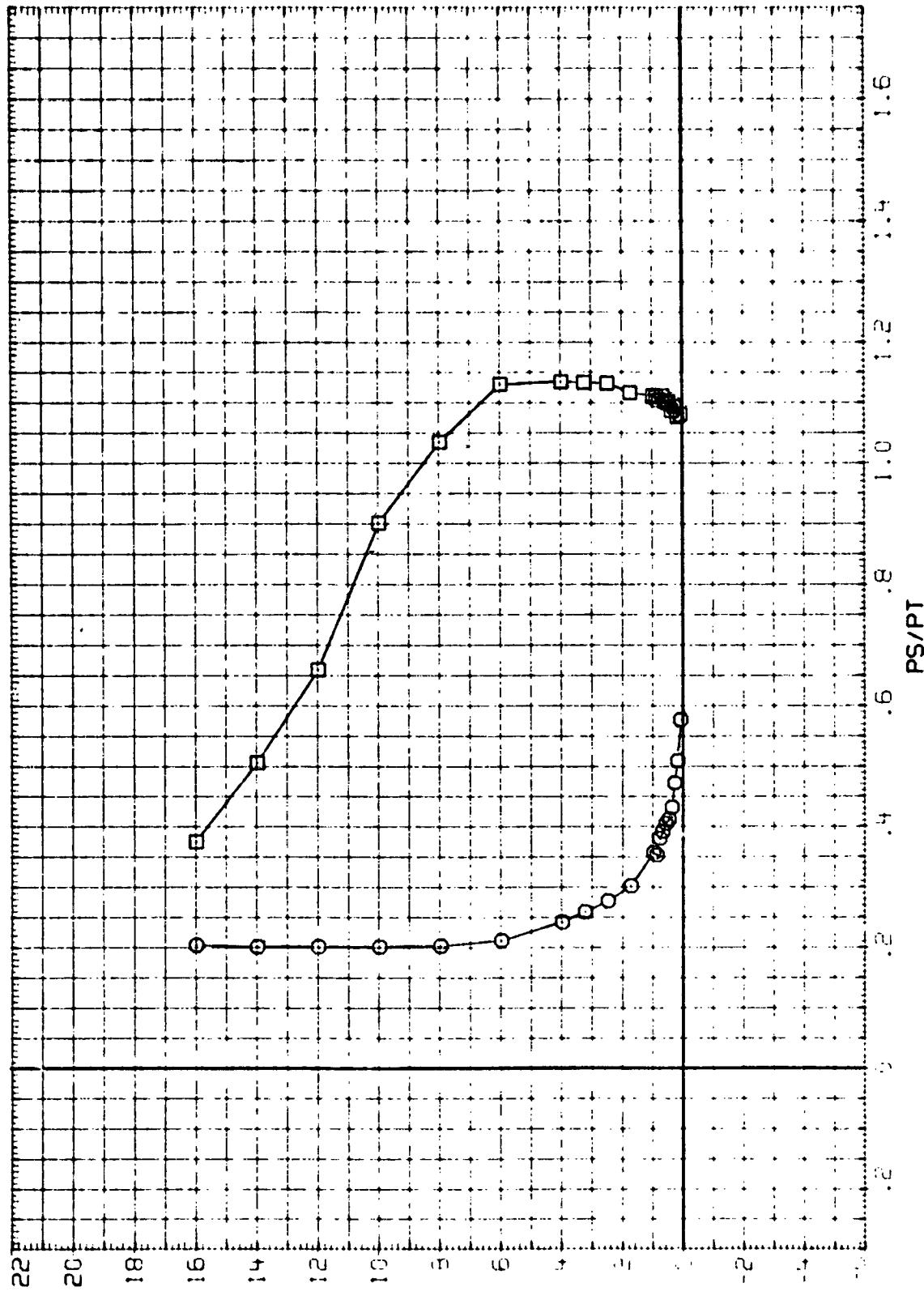


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE,RAKE IN AFT POSITION

SF2
0.000
85.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BEX029) $\square$ AMES 11-97-010 OS8A.B SF2 + PA3 + BRA
(BEX030) $\square$ AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

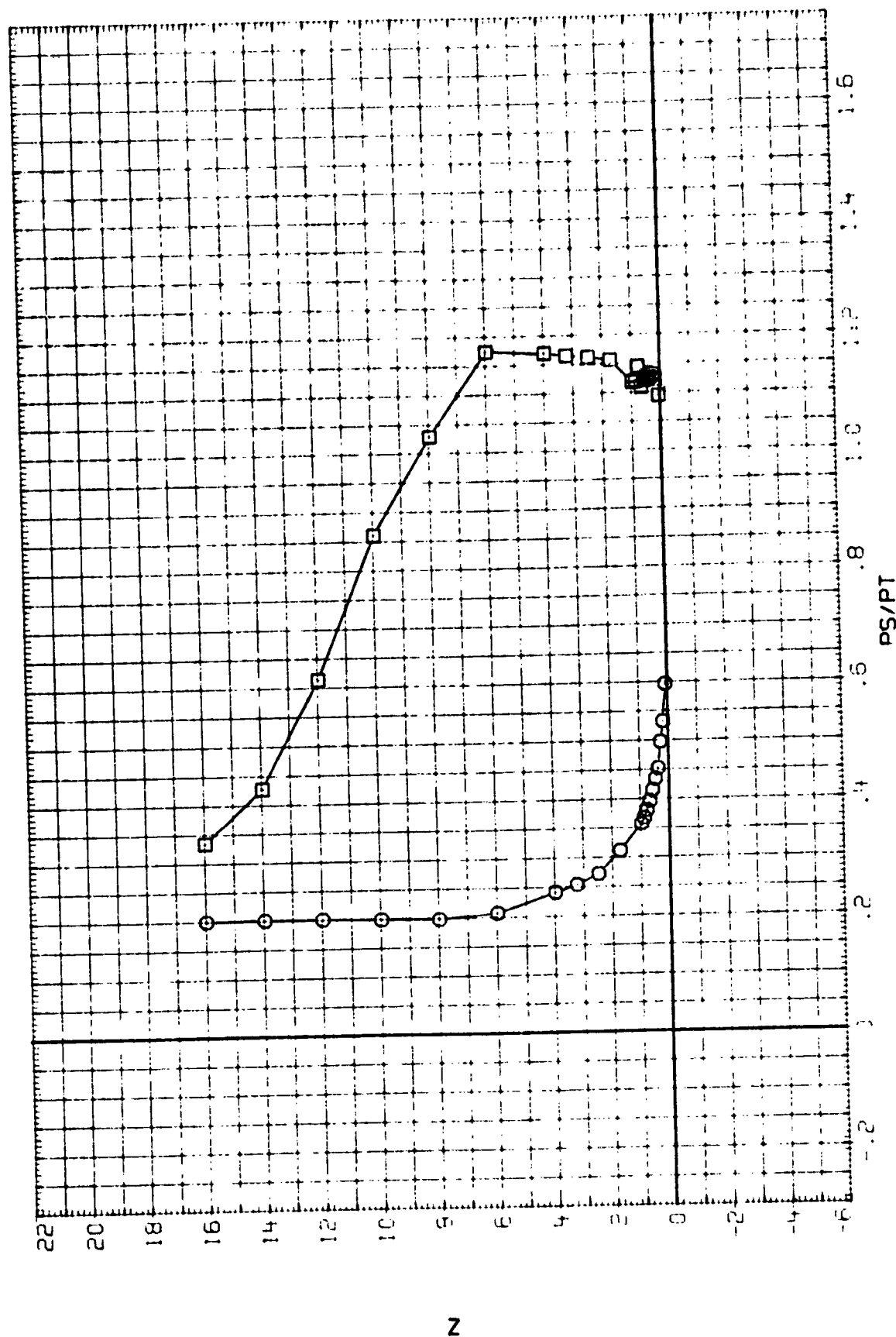


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(C) MACH = 2.30

SF2
.000
85.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BEX029) □ AMES 11-97-010 058A.B SF2 + PA3 + BRA
(BEX030) □ AMES 11-97-010 058A.B SF2 + PA3 + BRA

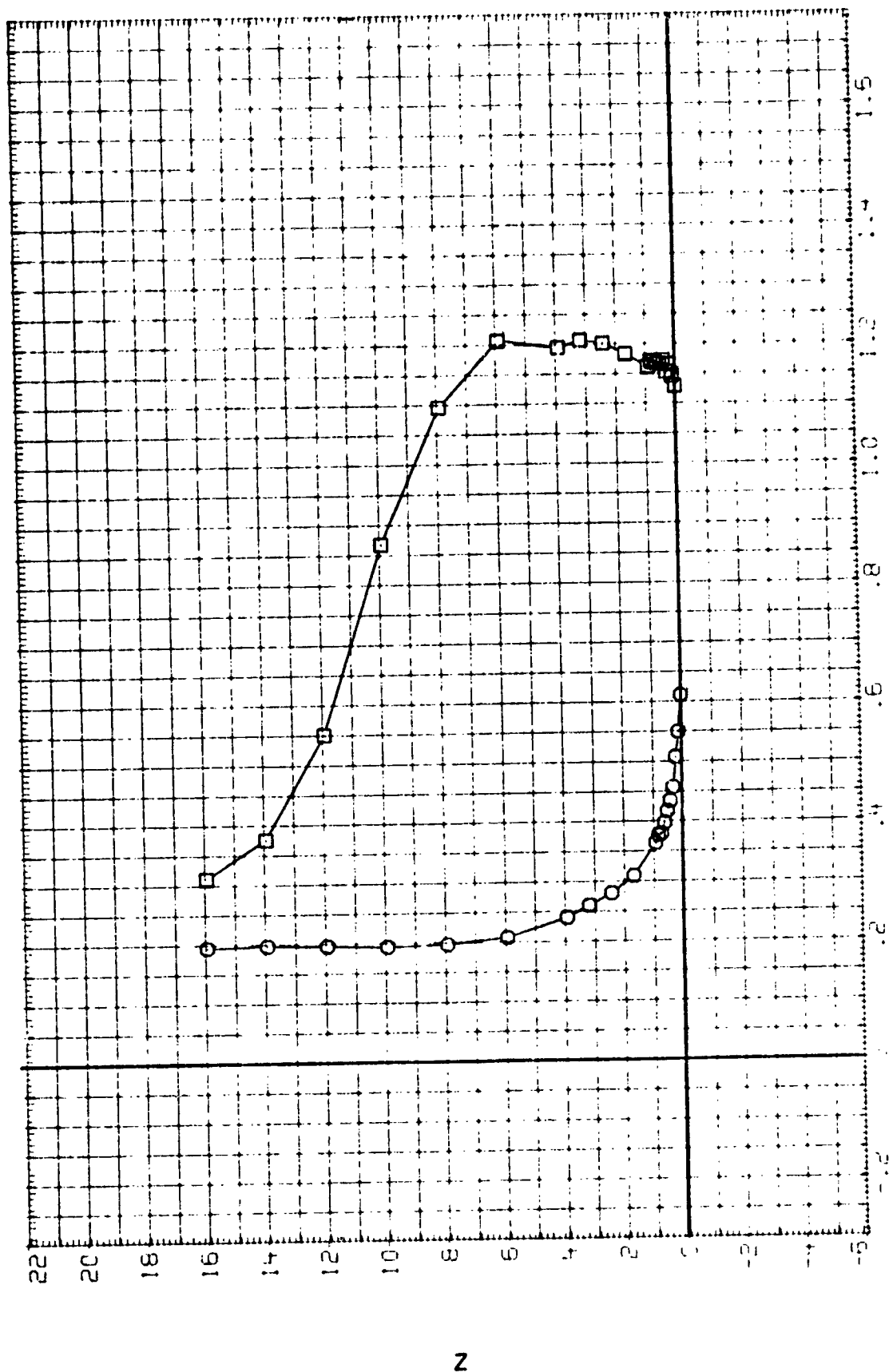


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

DIMACH = 2.40

SF2
 .000
 24.000
 30.000
 37.000
 45.000
 53.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BAC029) AMES 11-97-010 OSBA.B SF2 PA3 BRA
 (BAC029) AMES 11-97-010 OSBA.B SF2 PA3 BRA
 (BAC029) AMES 11-97-010 OSBA.B SF2 PA3 BRA
 (BAC029) AMES 11-97-010 OSBA.B SF2 PA3 BRA
 (BAC029) AMES 11-97-010 OSBA.B SF2 PA3 BRA
 (BAC029) AMES 11-97-010 OSBA.B SF2 PA3 BRA

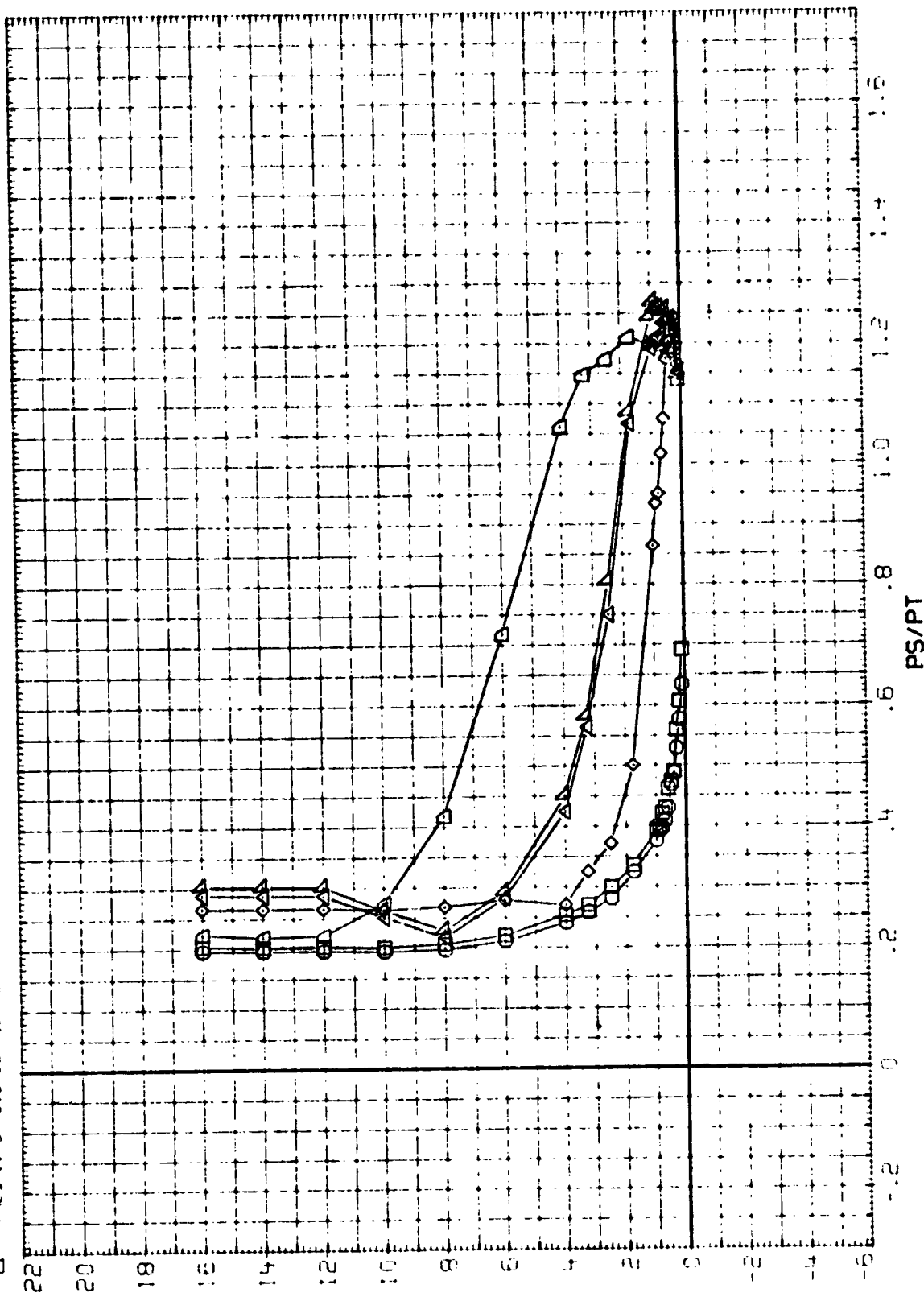


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

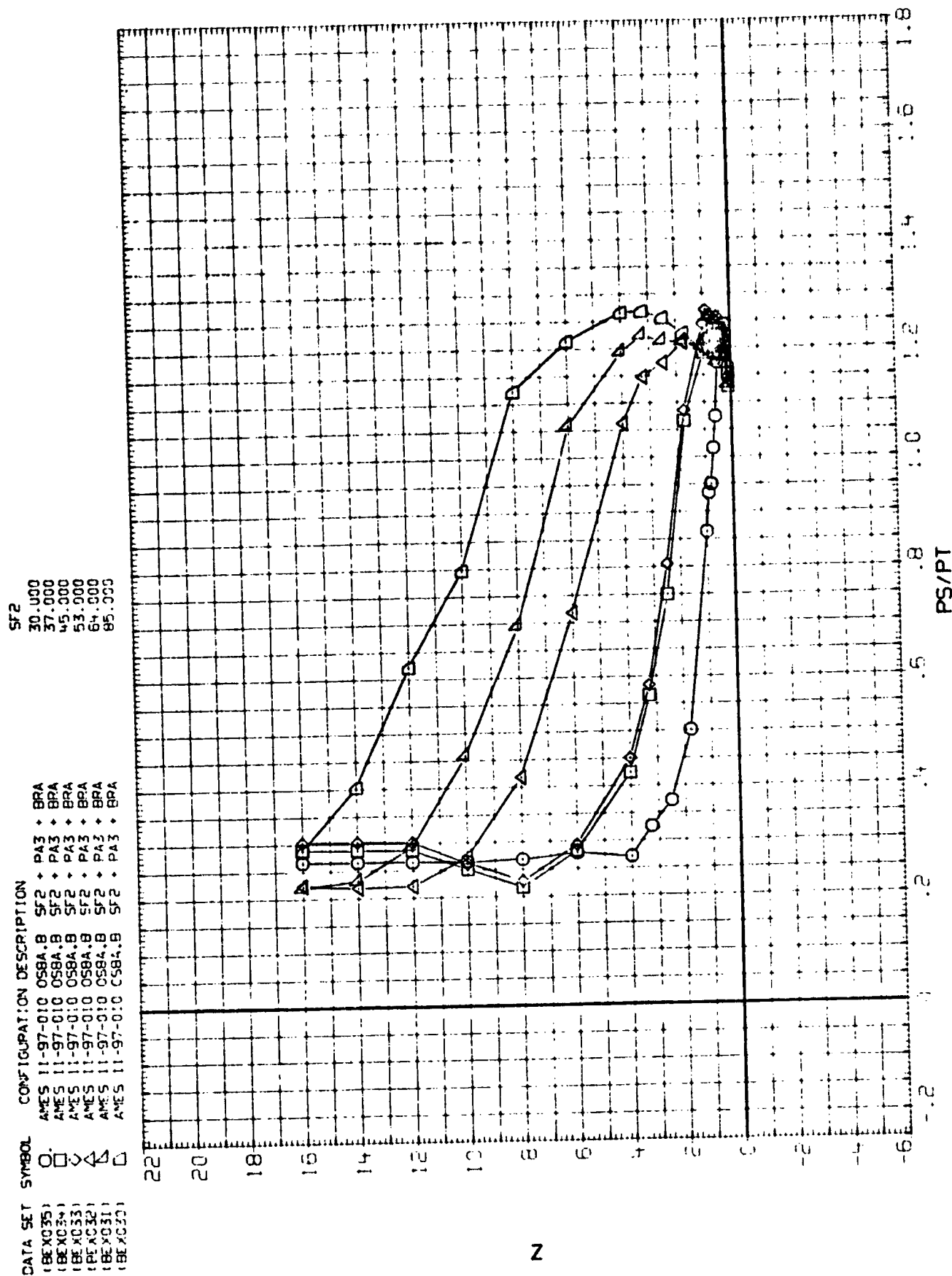


FIG. 14 EFFECT OF COMPRESSION SHOCK FIXTURE RAKE IN AFT POSITION

(BEX029) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL MACH PT ELPOS SF2 .000

1.599
1.700
1.800
1.900
2.000
2.100
2.200

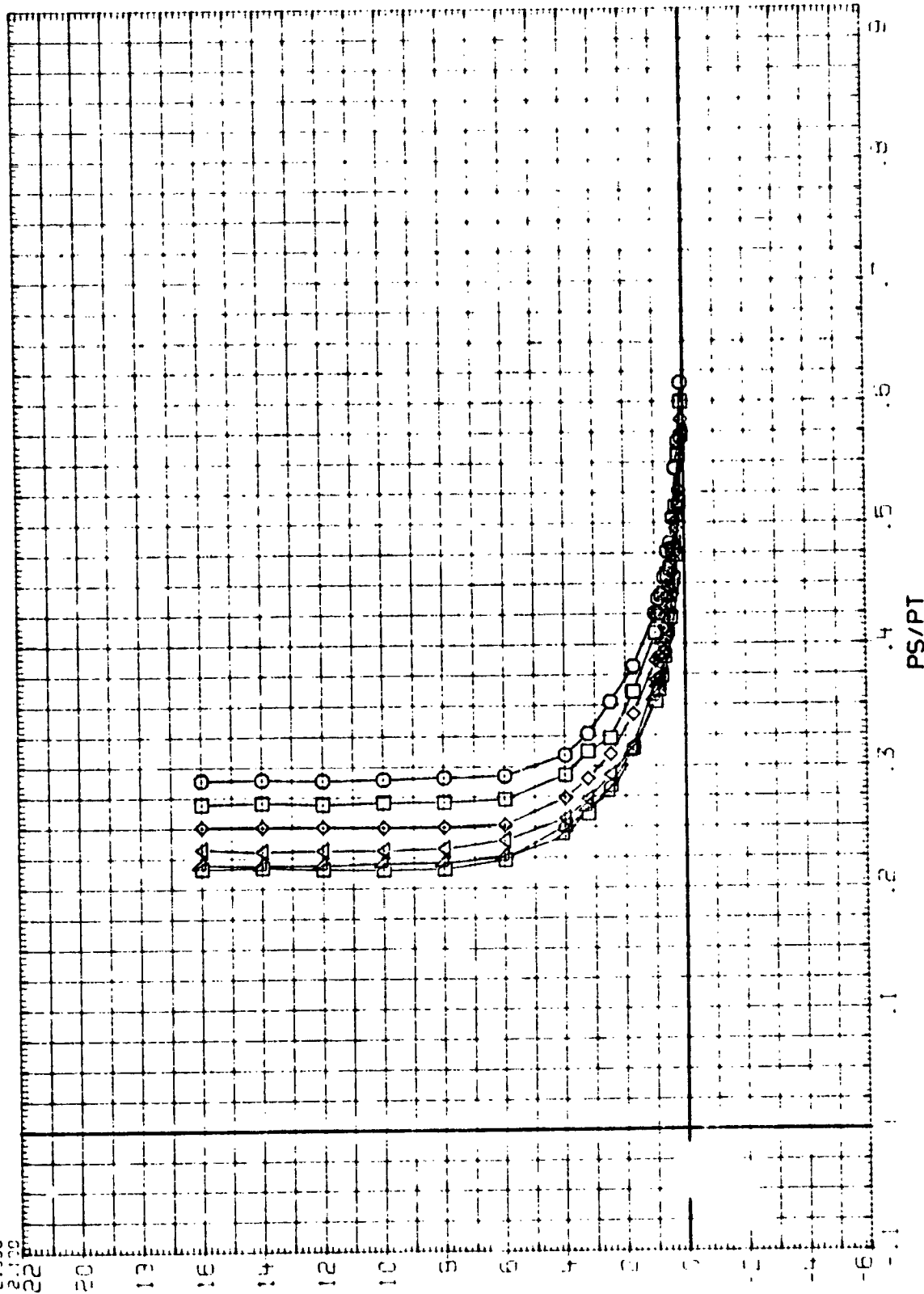


FIG. 15 EFFECT OF MACH, COMPRESSION SHOCK FIXTURE, RAKE IN AFT POSITION

(BEX029) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL MACH PT BL POS
 2.200 10.110 SF2 .000
 2.300 2.000
 2.401
 2.505

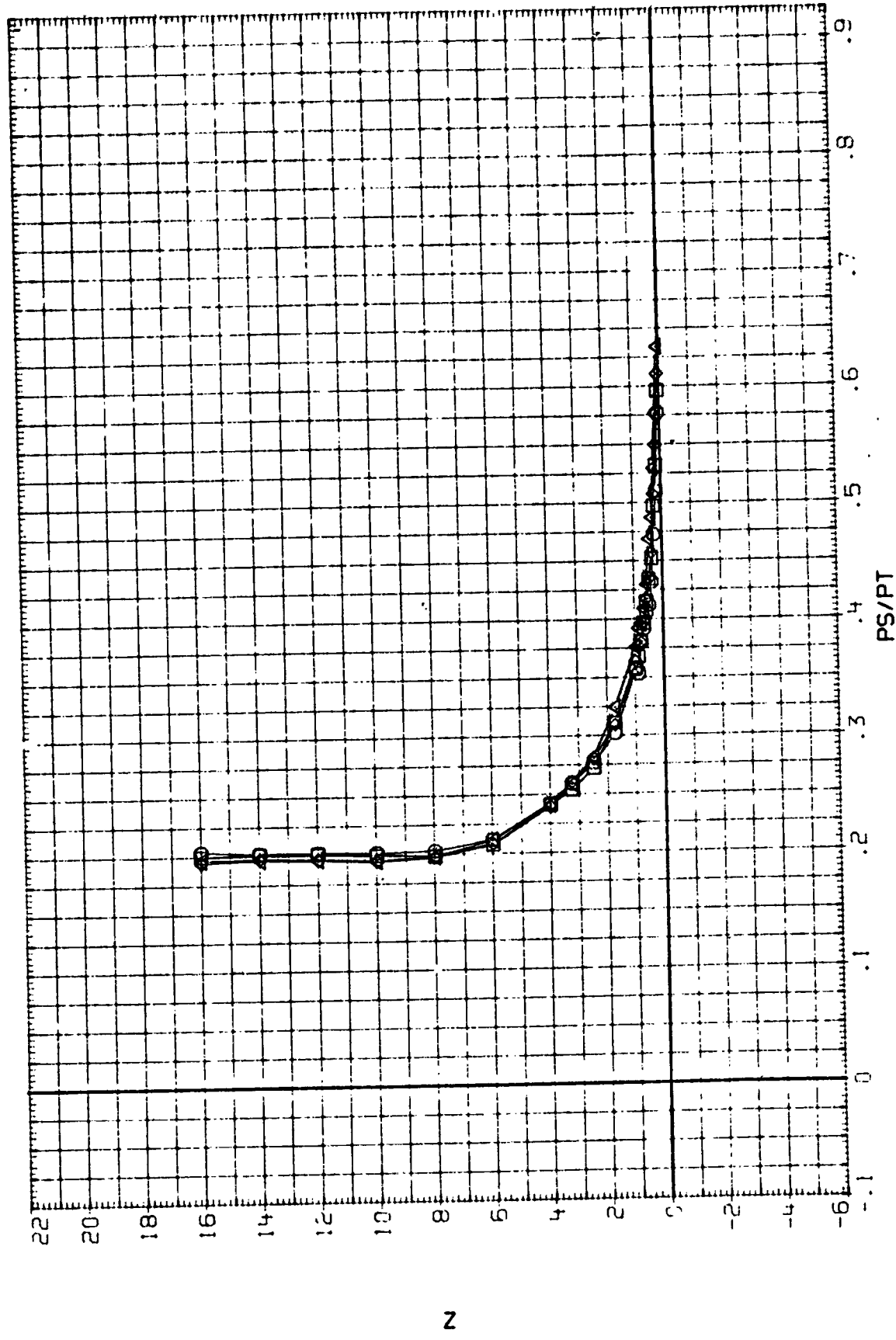


FIG. 15 EFFECT OF MACH, COMPRESSION SHOCK FIXTURE, RAKE IN AFT POSITION

(BEX036) AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

WACH		PARAMETRIC VALUES	
SYMBOL	PT	BLPOS	SF2
○	1.599	10.110	24.000
□	2.000	2.000	
◇	2.505		

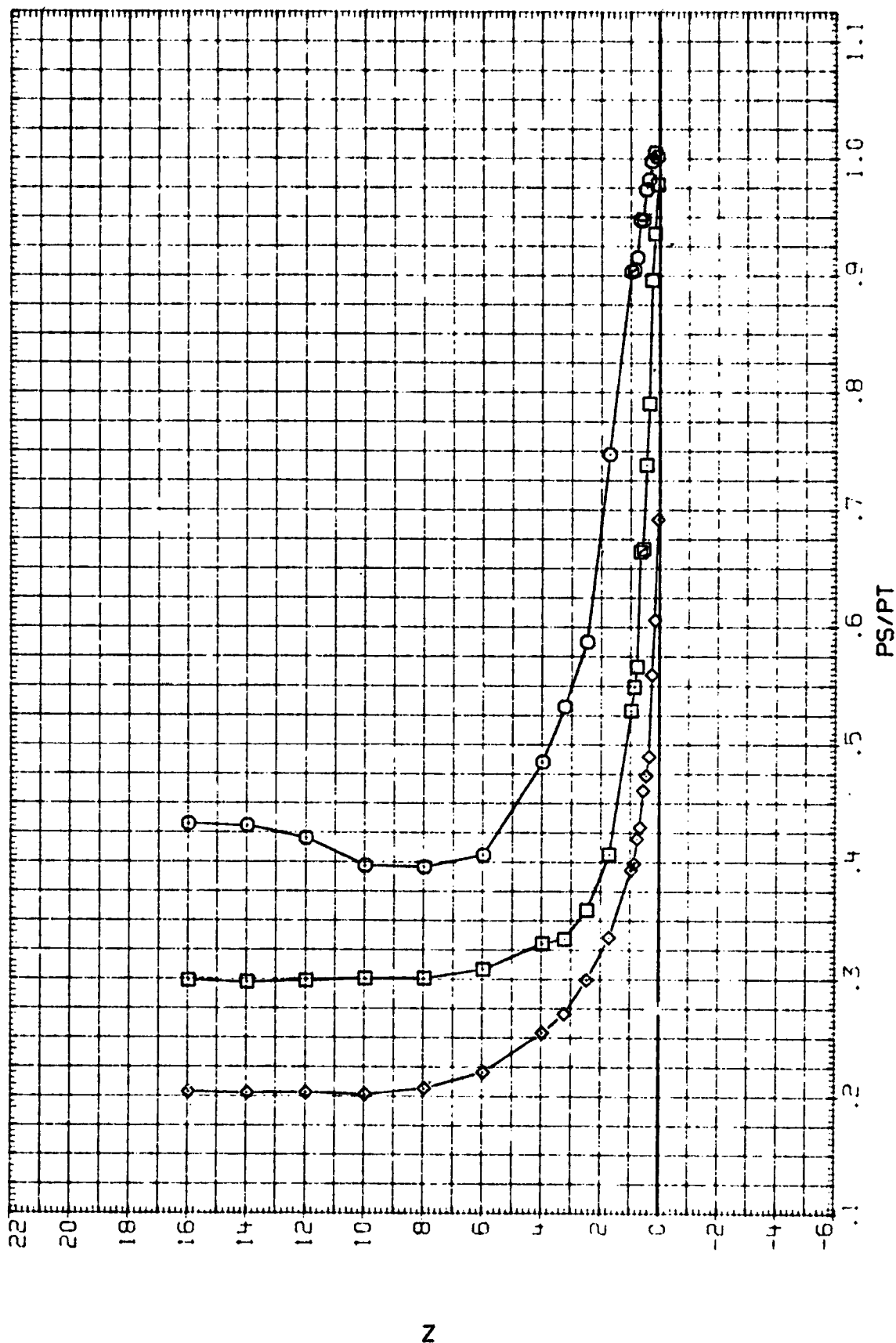


FIG. 15 EFFECT OF MACH, COMPRESSION SHOCK FIXTURE, RAKE IN AFT POSITION

(BEX035) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA
 SYMBOL MACH PT BLPOS
 1.599 10.110 SF2 30.000
 2.000 2.000
 2.505

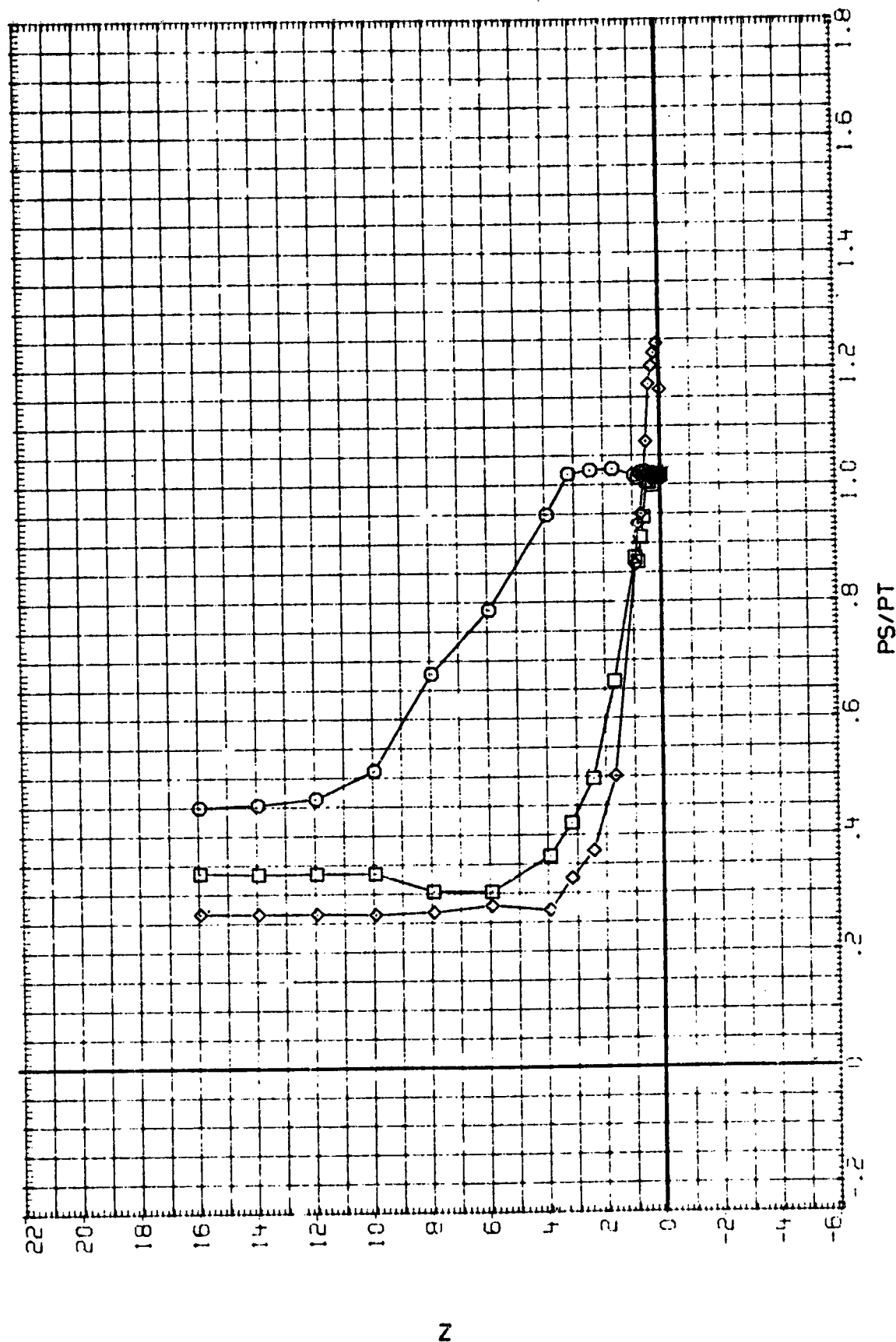


FIG. 15 EFFECT OF MACH, COMPRESSION SHOCK FIXTURE, RAKE IN AFT POSITION

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES

37.000

SF2

10.110

Pf

BLPOS

1.599

2.000

2.505

SYMBOL

□

◇

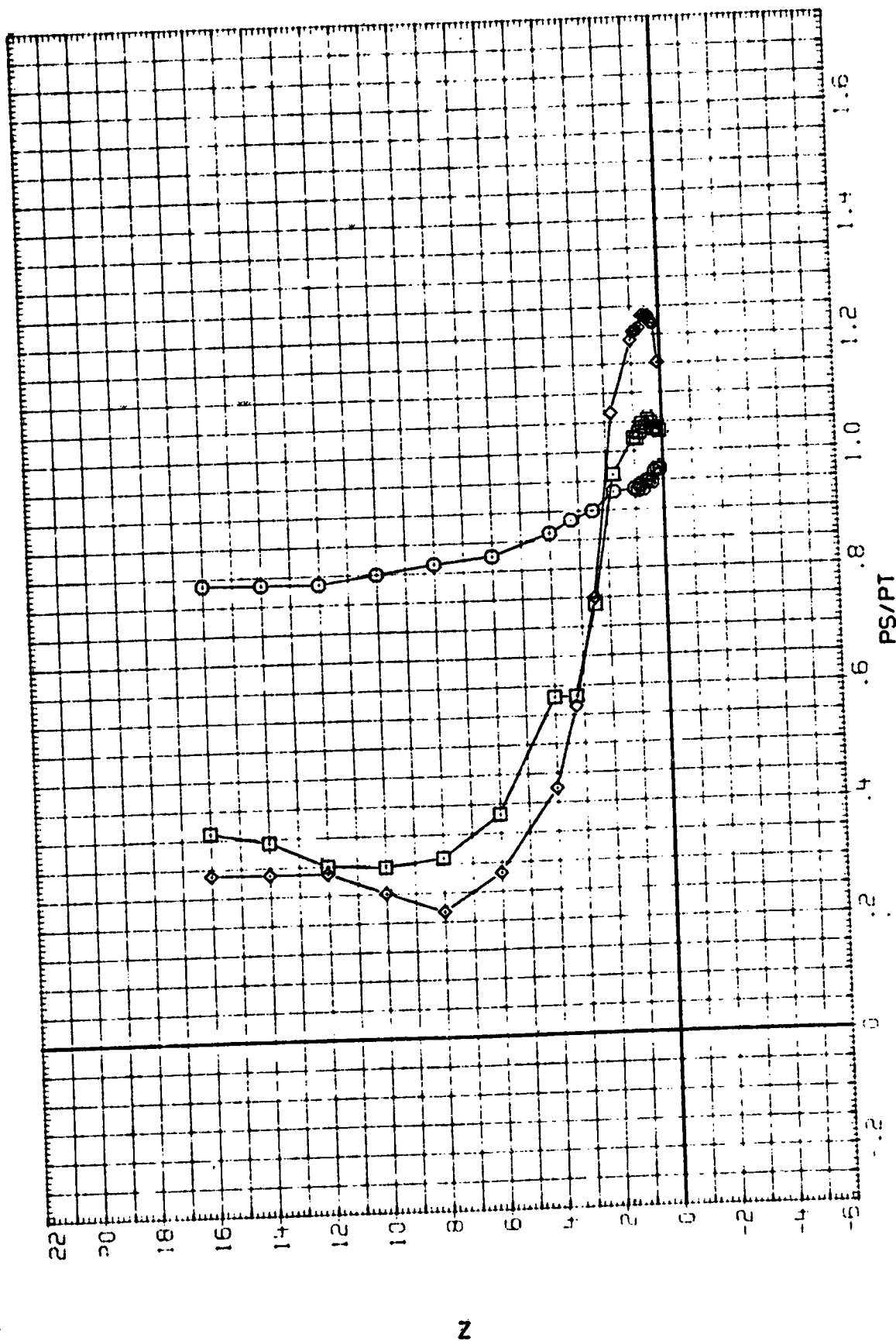


FIG. 15 EFFECT OF MACH, COMPRESSION SHOCK FIXTURE, RAKE IN AFT POSITION

(BEX033) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL MACH PT BLPOS SF2
□ 1.599 2.000 10.110 45.000
◇ 2.000 2.505 2.000

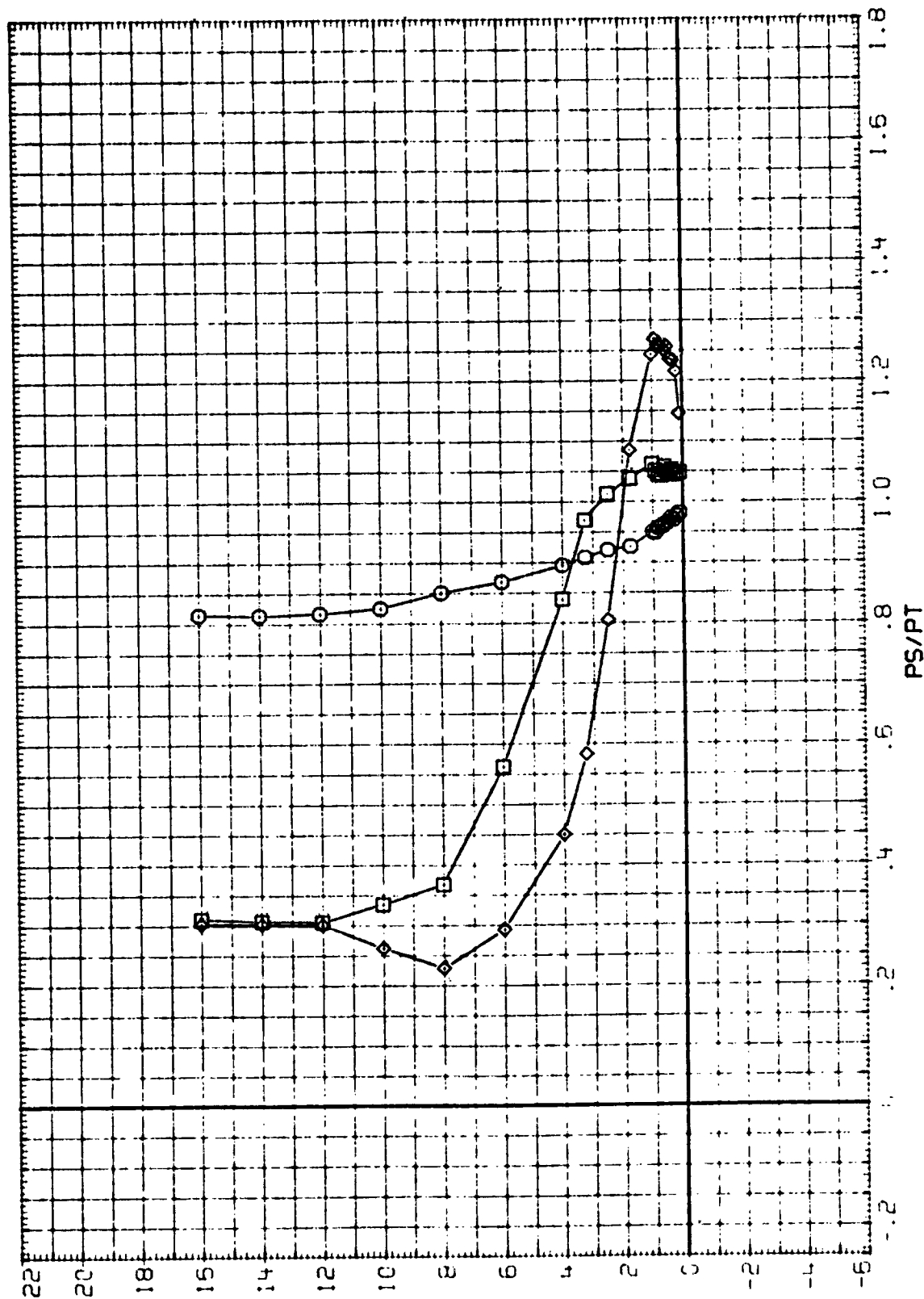


FIG. 15 EFFECT OF MACH.COMPRESSION SHOCK FIXTURE.RAKE IN AFT POSITION

(BEX032) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL MACH
 O 1.999
 □ 2.000
 ◇ 2.505

PARAMETRIC VALUES
 IC 110 SF2 53.000

P* BLPOS

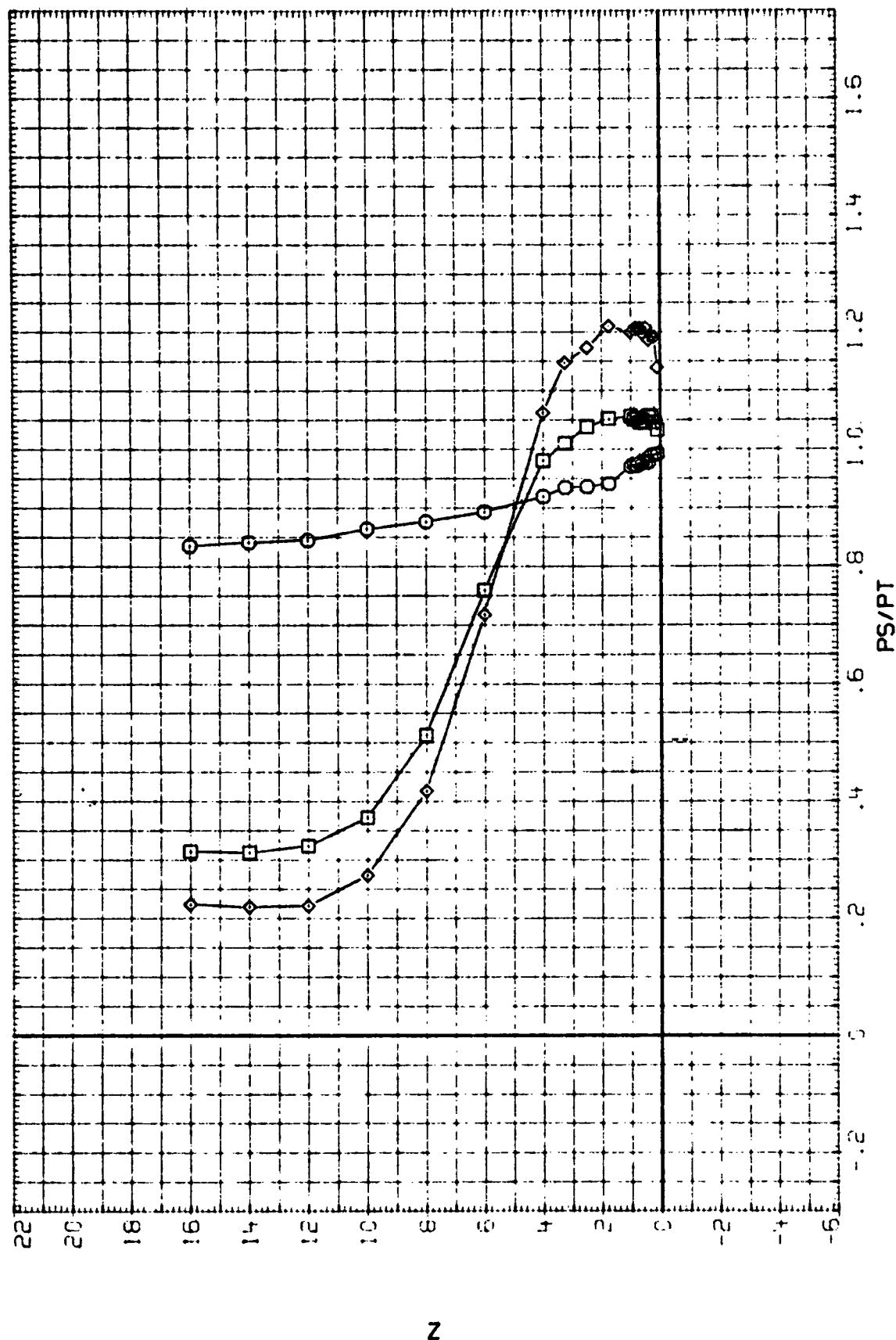


FIG. 15 EFFECT OF MACH, COMPRESSION SHOCK FIXTURE, RAKE IN AFT POSITION

(BEX031) AMES 11-97-010 058A.B SF2 + PA3 + BRA

SYMBOL	MACH	PT	RLPOS	PARAMETRIC VALUES	64.000
○	1.599	19.110	SF2		
□	2.003	2.000			
◇	2.505				

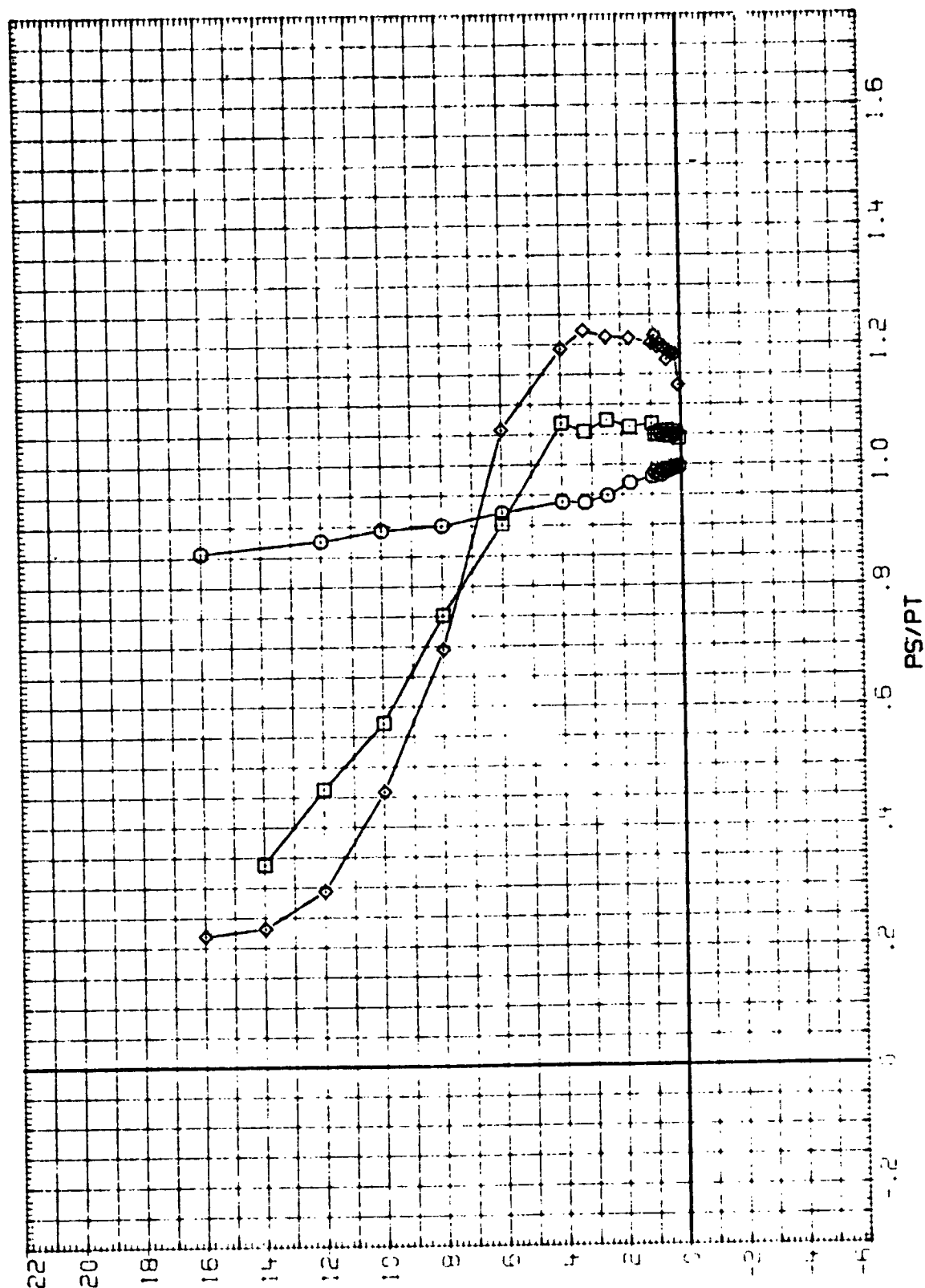


FIG. 15 EFFECT OF MACH.COMPRESSION SHOCK FIXTURE.RAKE IN AFT POSITION

(BEX030) AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

SYMBOL MACH P* BLPOS PAPAMETRIC VALUES
 1.599 10.110 SF2 85.000
 1.700 2.000
 1.800
 1.900
 2.000
 2.100

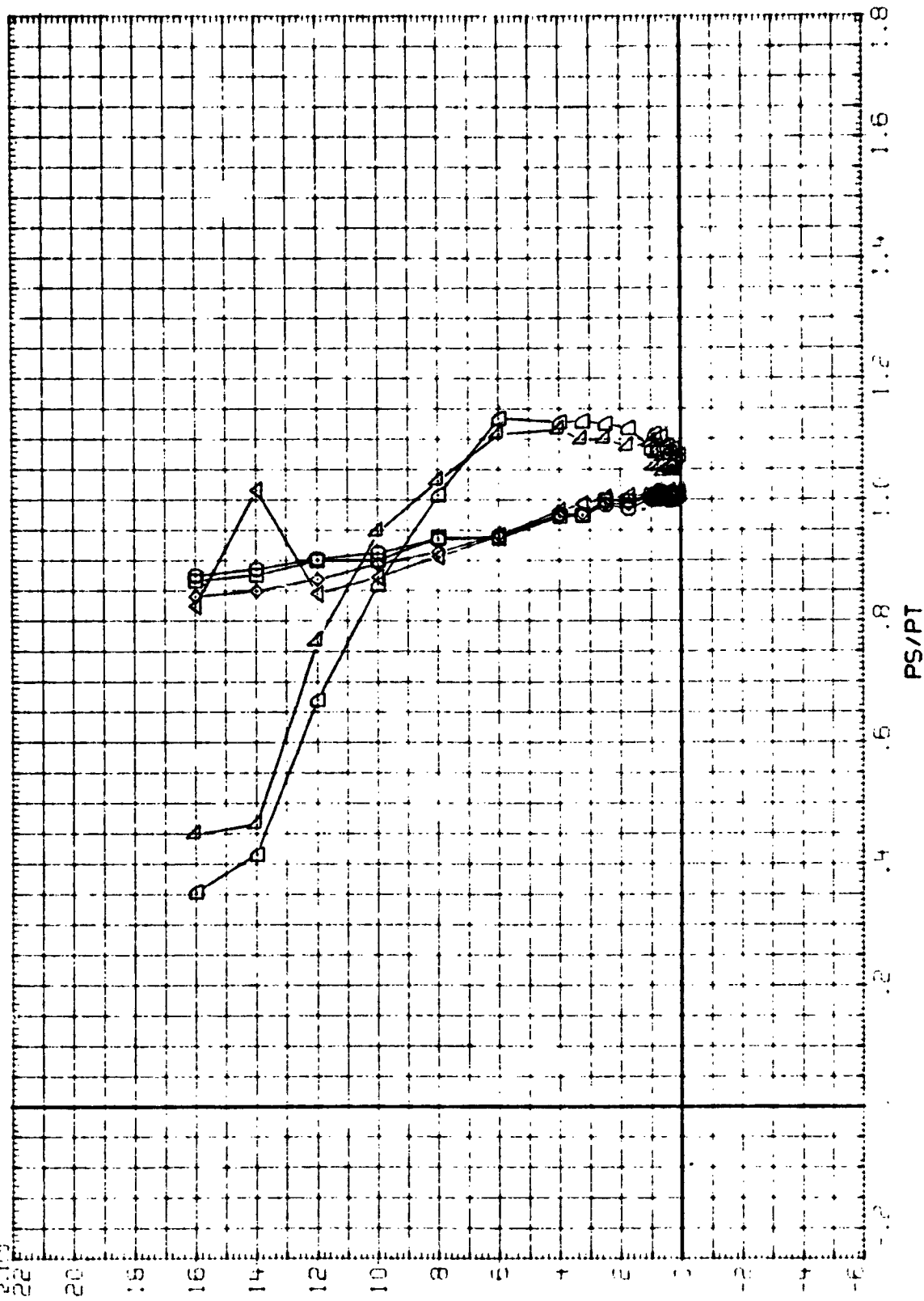


FIG. 15 EFFECT OF MACH.COMPRESSION SHOCK FIXTURE,RAKE IN AFT POSITION

(BEX030) AMES 11-97-010 058A.8 SF2 + PA3 + BRA
 SYMBOL MACH
 2.200
 2.300
 2.400
 2.505
 PARAMETRIC VALUES
 10.110 SF2
 2.000
 P*
 8LPOS
 85.000

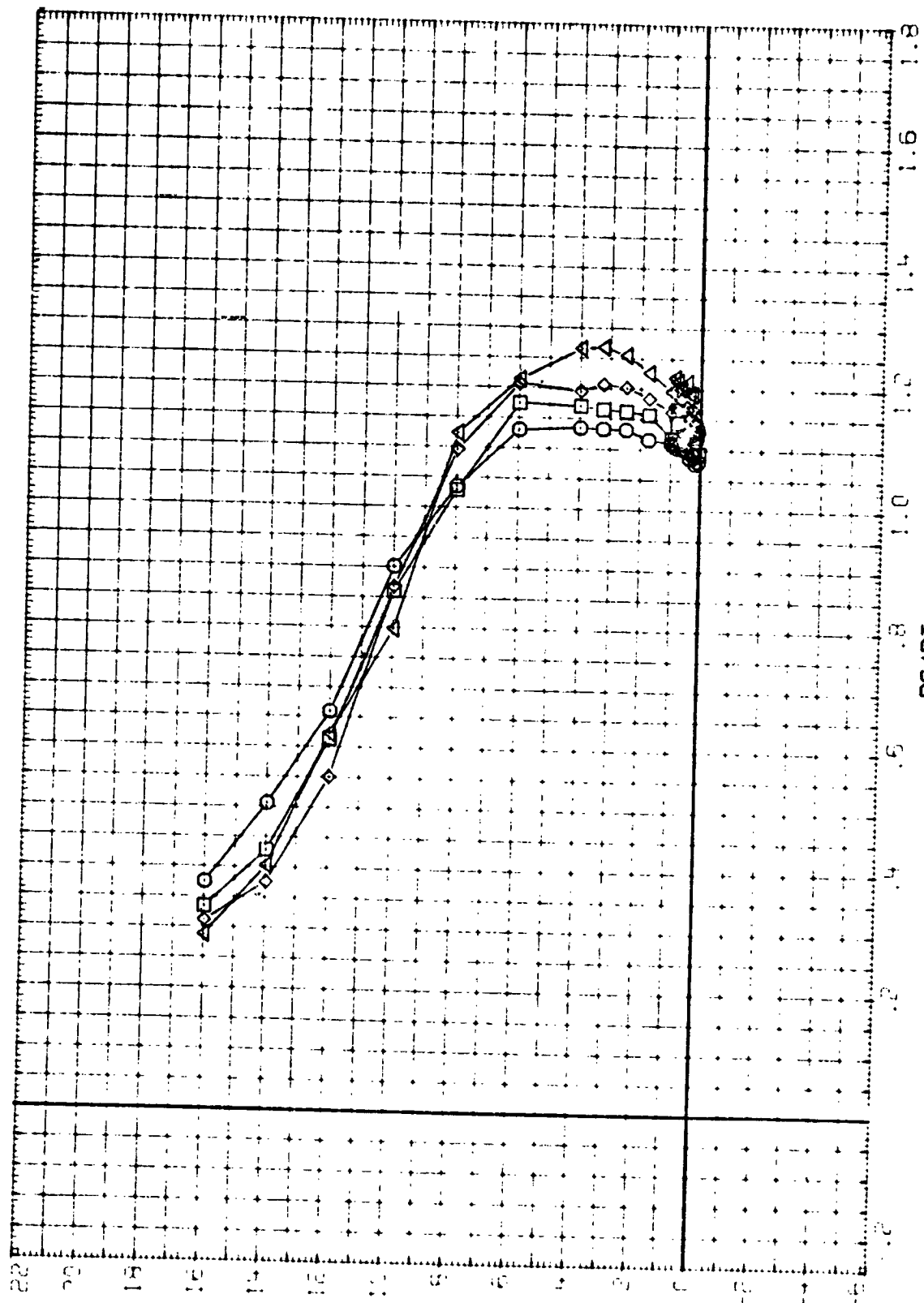


FIG. 15 EFFECT OF MACH.COMPRESSION SHOCK FIXTURE,RAKE IN AFT POSITION

(REXP01) AMES 11-97-010 058A.B PA3 + BRA

PARAMETRIC VALUES

PT 12.280

SYMBOL Y PT MACH

-13.500 12.270 .598
5.500
-5.500
6.500
13.500

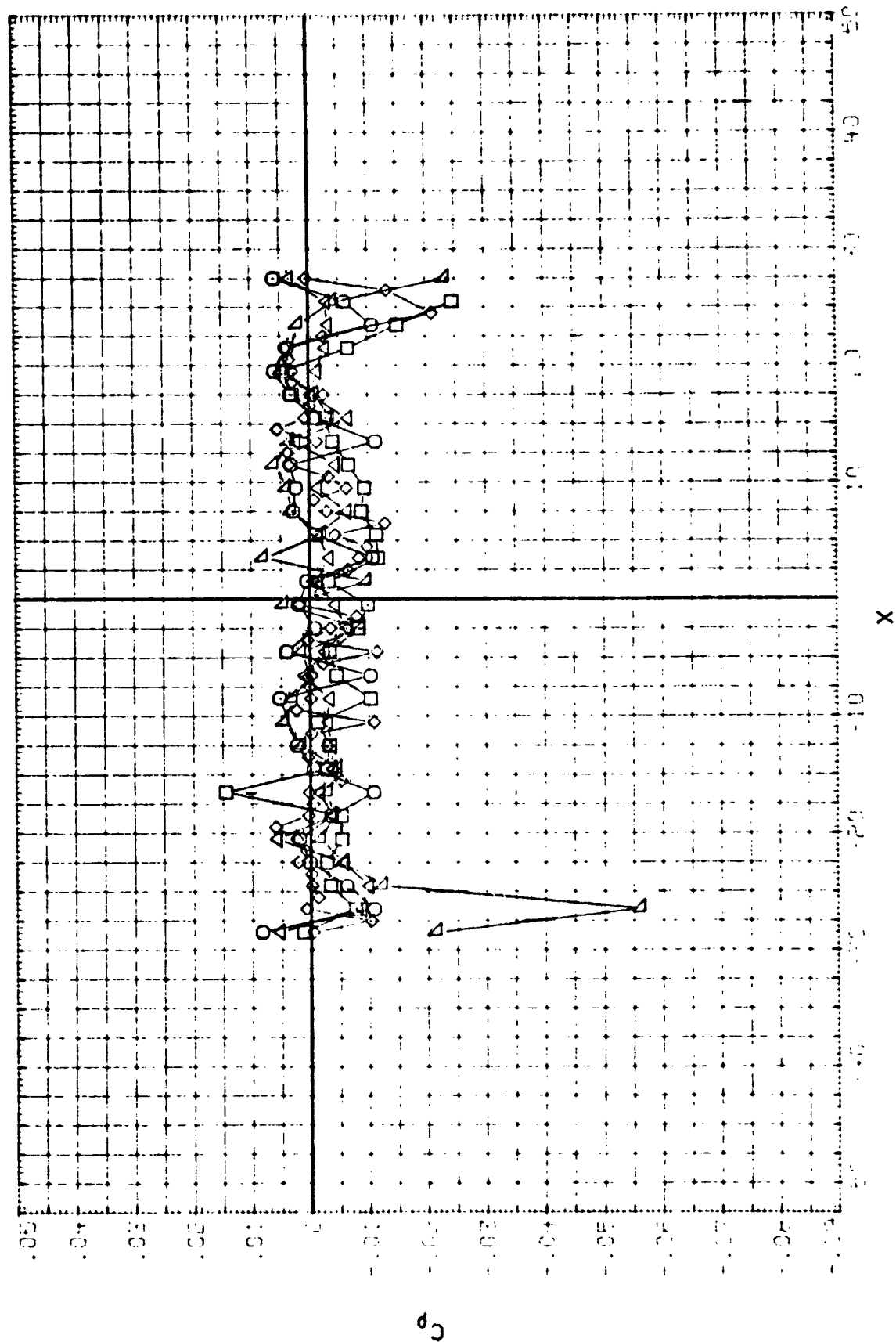


FIG. 15 STATIC SURFACE PRESSURES - DUMMY PANEL

Symbol	Value
13.500	-13.500
6.500	-6.500
500	-500
6.500	6.500
13.500	13.500

PARAMETRIC VALUES

082-21

19

008.

082.21

13.500
-6.500
- 500
6.500
13.500

-13.500

-13.500

-13.500

-13.500

-13.500

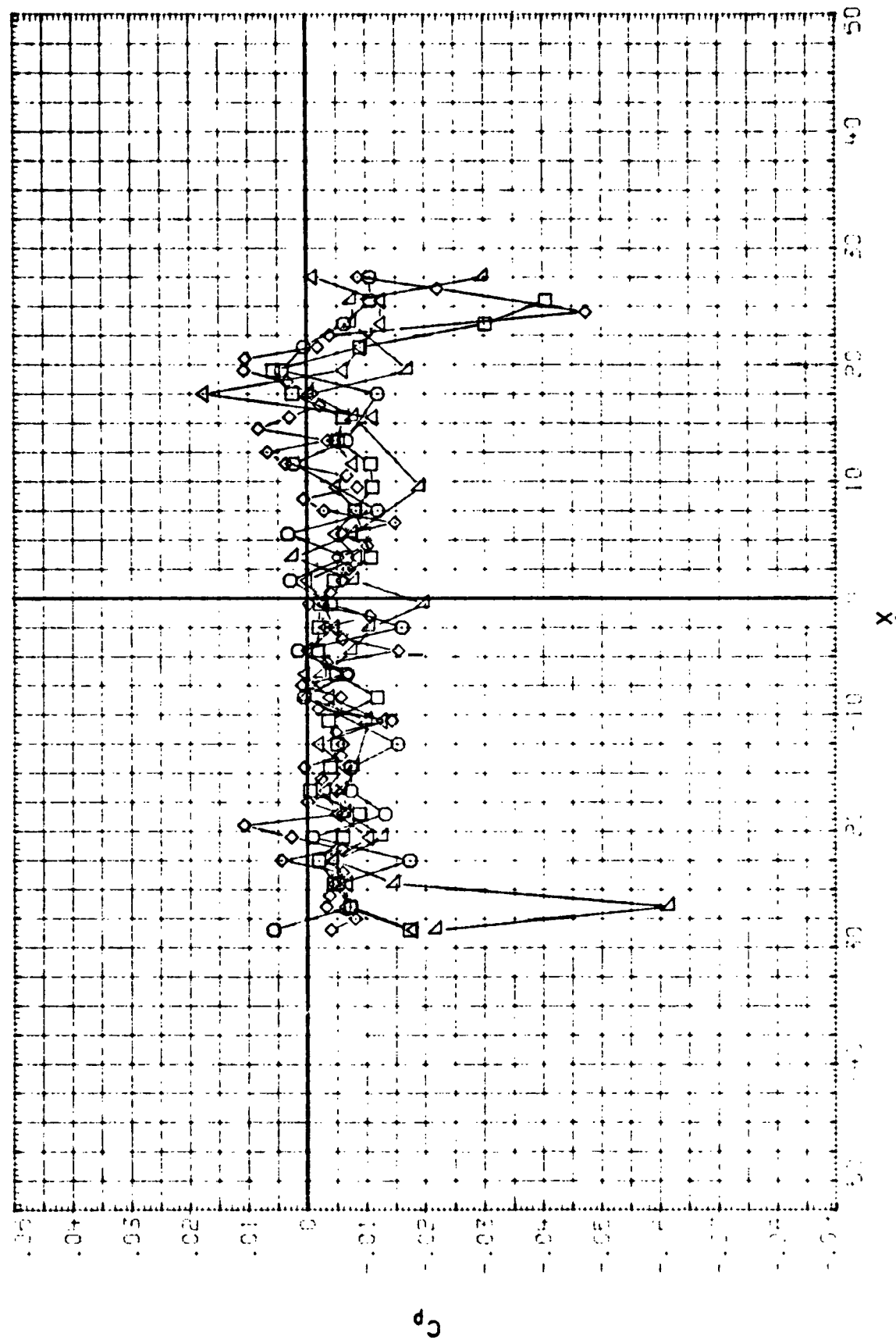


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP02) AMES 11-97-010 OS8A.B PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT MACH
 12.280 .599

PARAMETRIC VALUES
 PT 12.280

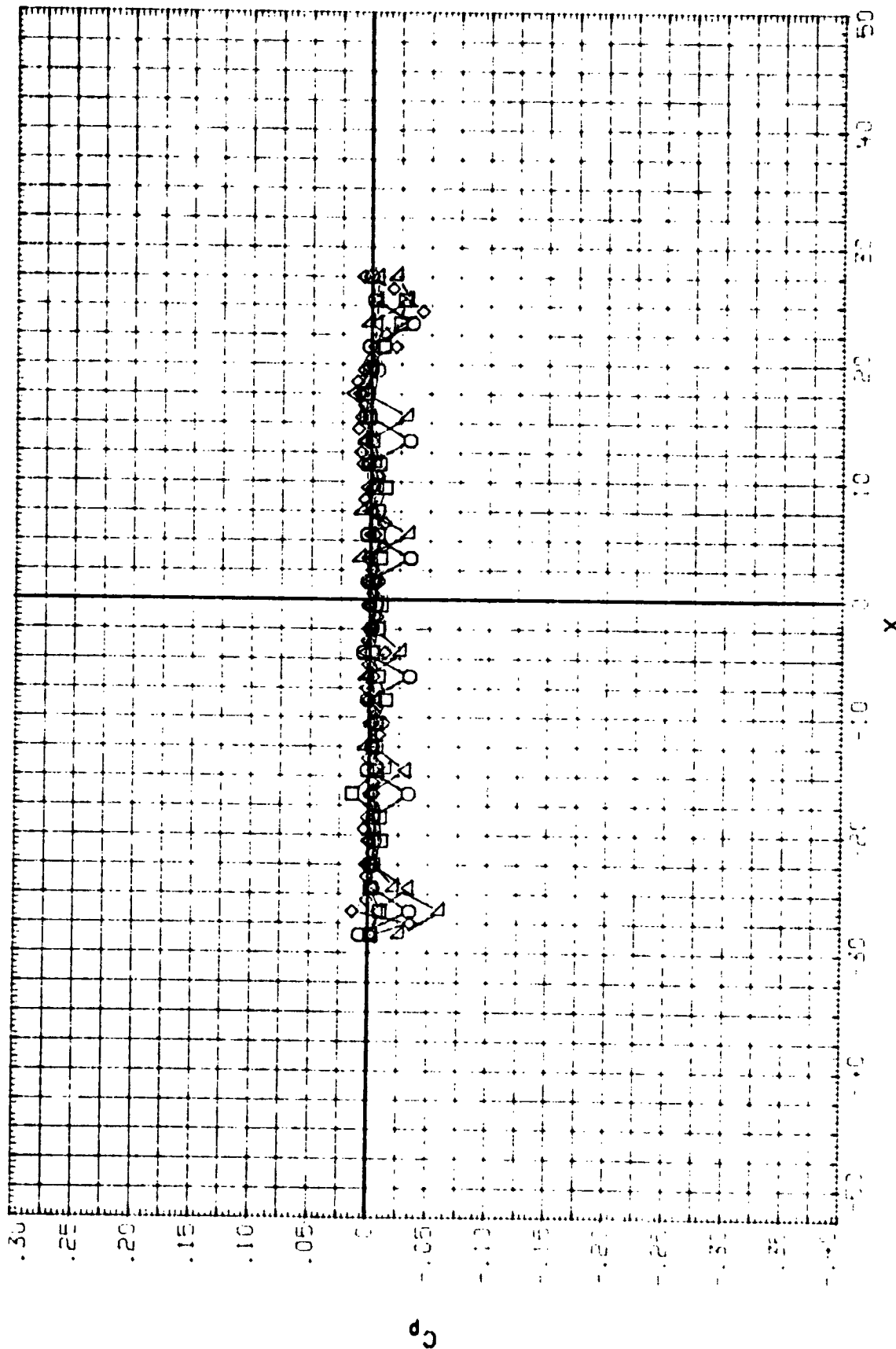


FIG. 15 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP02) AMES 11-97-010 OS84.B PA3 + BRA

SYMBOL

13.500
6.500
500
6.500
13.500

MACH .799

PT 12.280

PARAMETRIC VALUES
PT 12.280

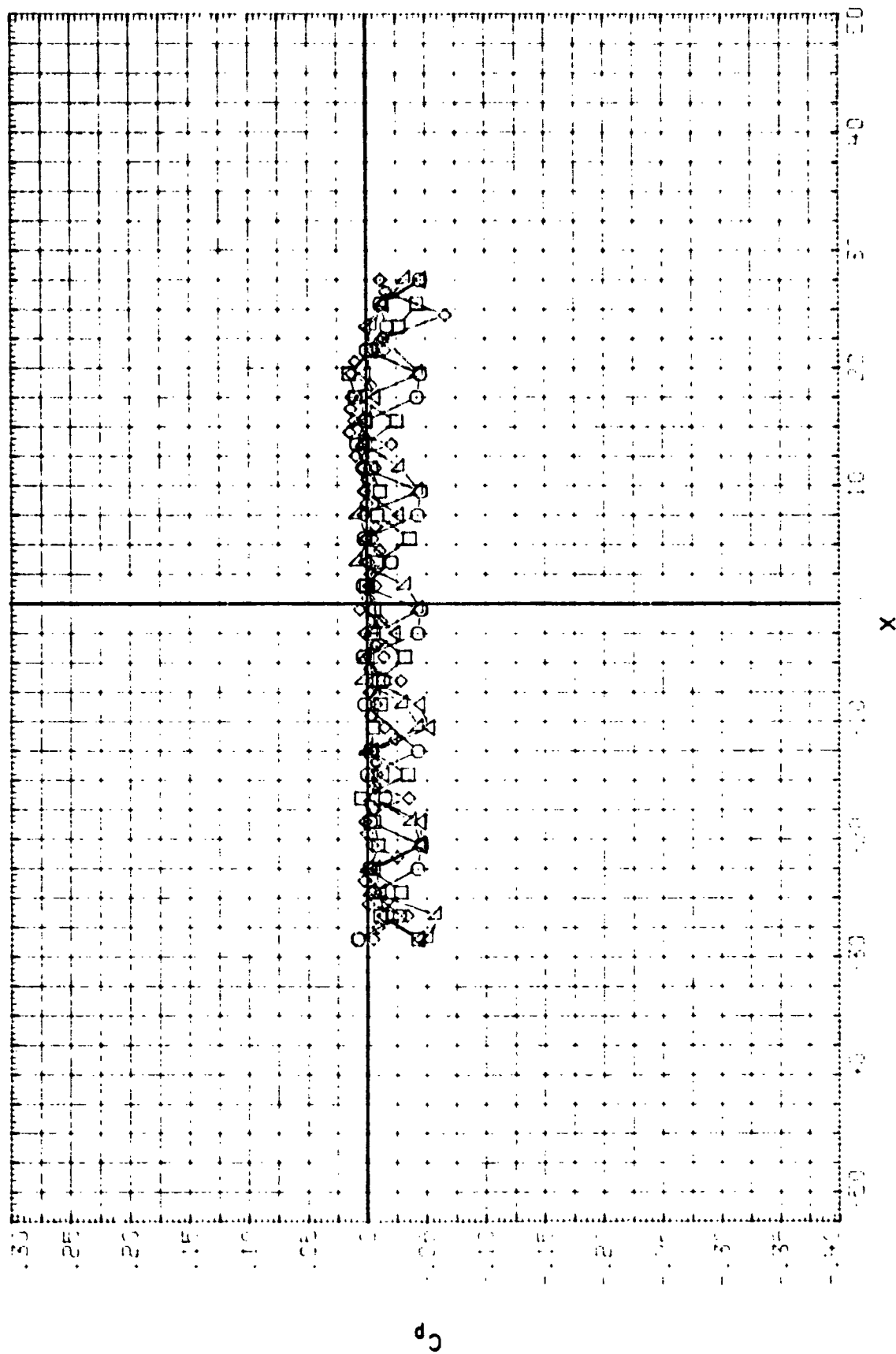


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP02) AMES 11-97-010 058A.B PA3 + BRA

SYMBOL Y PT MACH
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

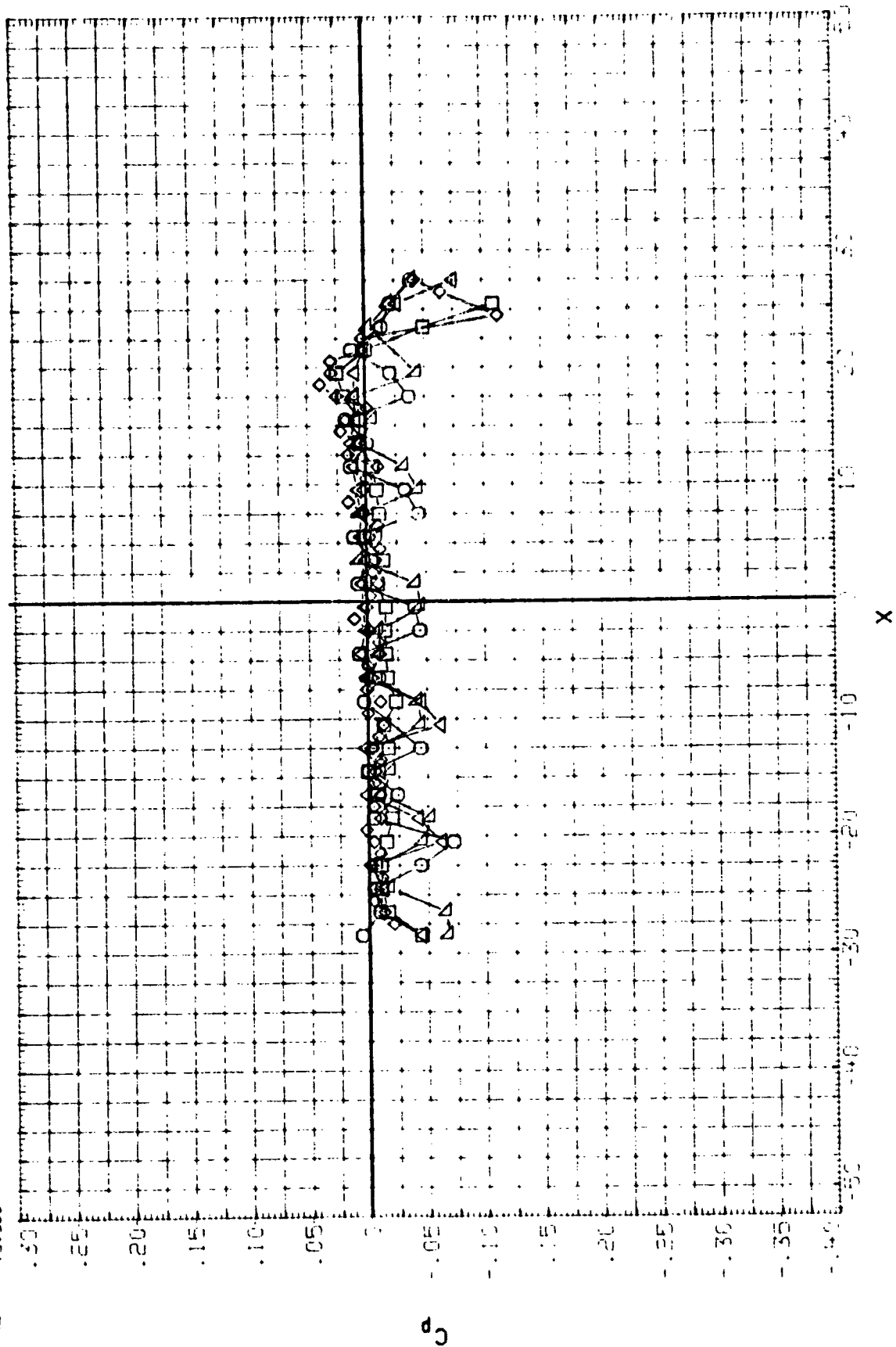


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP02) AMES 11-97-010 OS8A,B PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PT 12.280
 MACH 1.205

PARAMETRIC VALUES
 12.280

PT

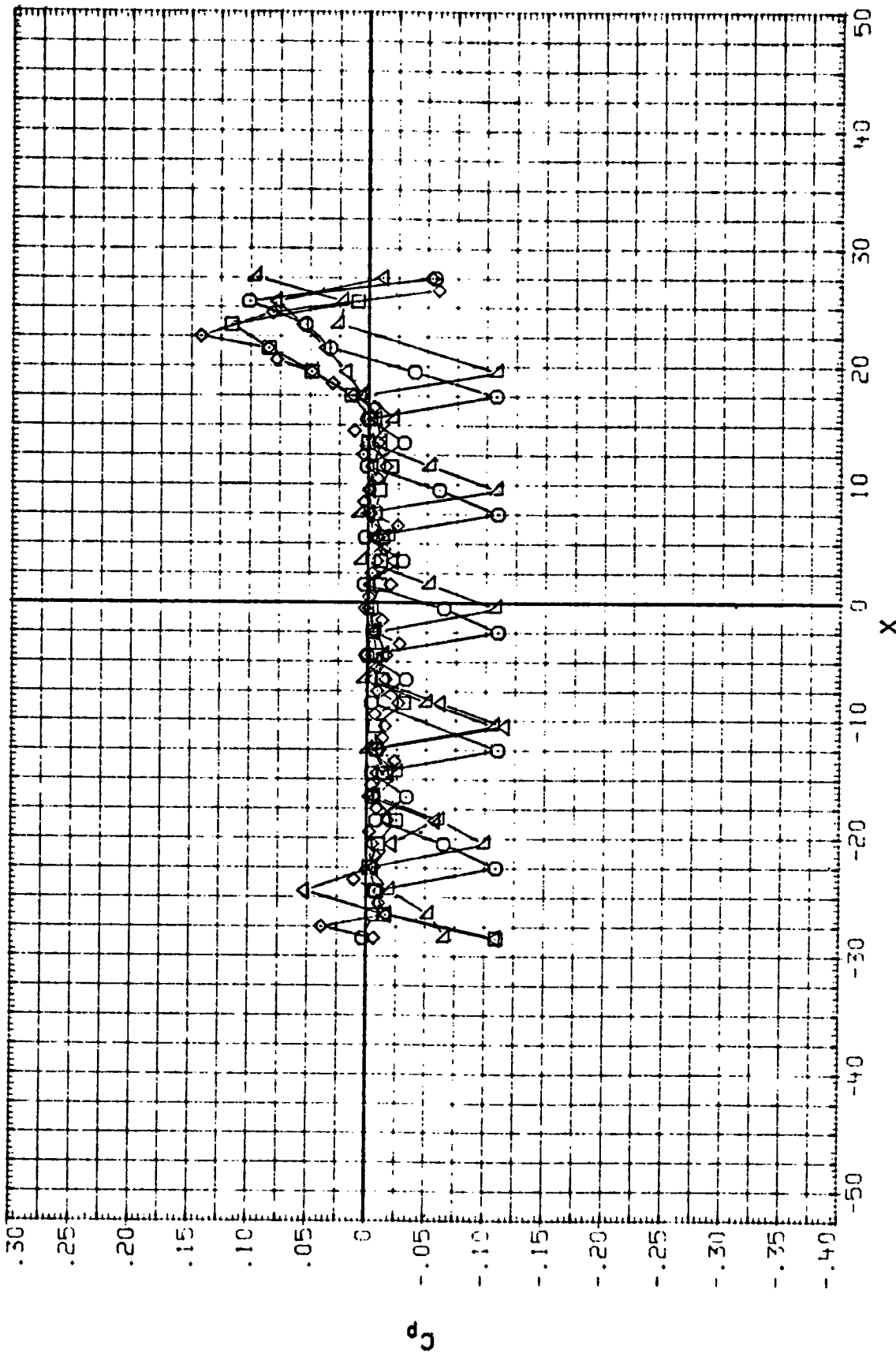


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP02) AMES 11-97-010 058A,B PA3 + BRA
 SYMBOL Y PT MACH
 -13.500 12.290 1.399
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

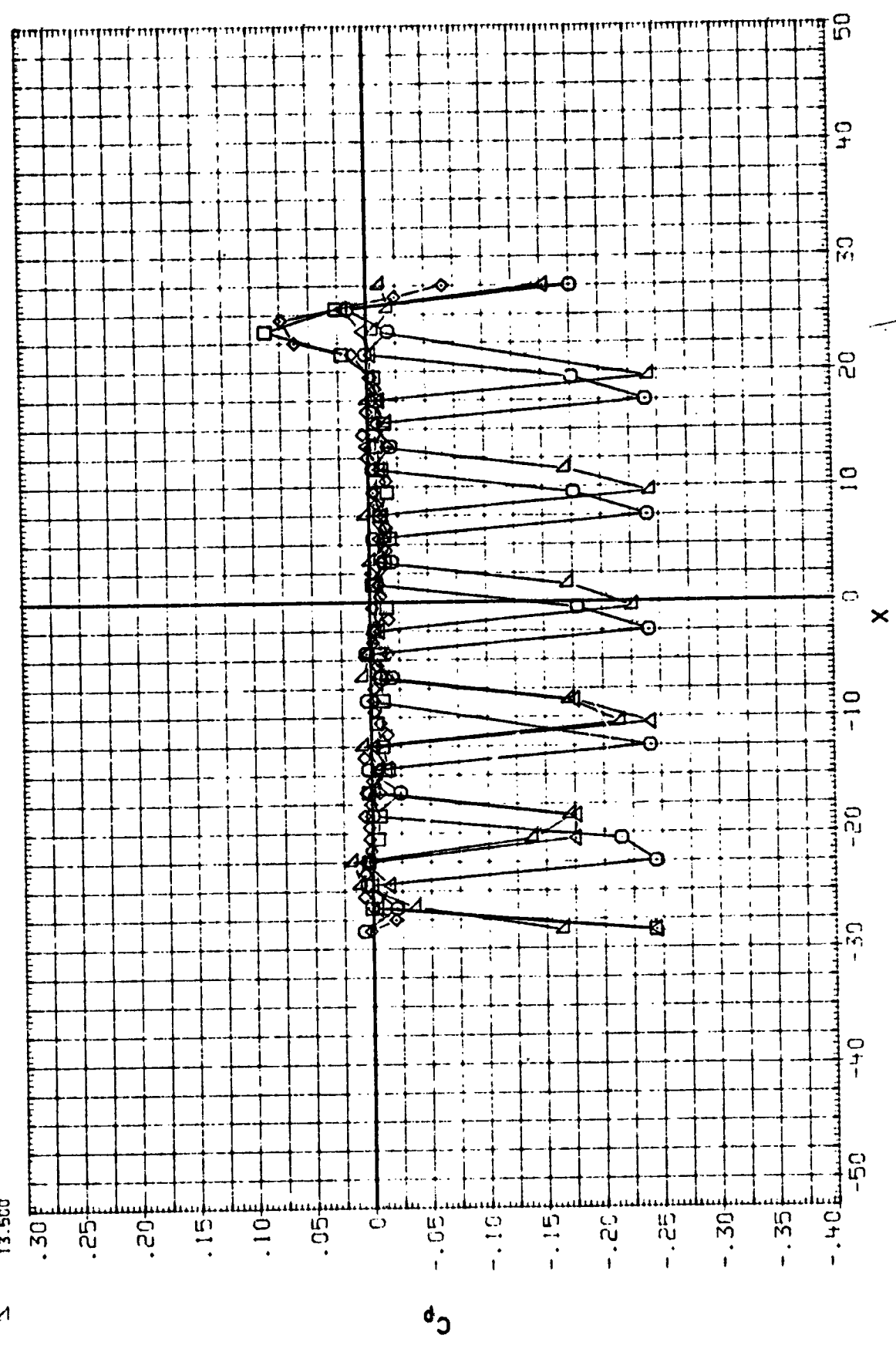


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP03) AMES 11-97-010 OS8A.B PA3 + BRA

PARAMETRIC VALUES

PT 12.280

PT

MACH

.799

PT 12.280

-13.500

-6.500

-1.500

6.500

13.500

SYMBOL

□ ◇ △

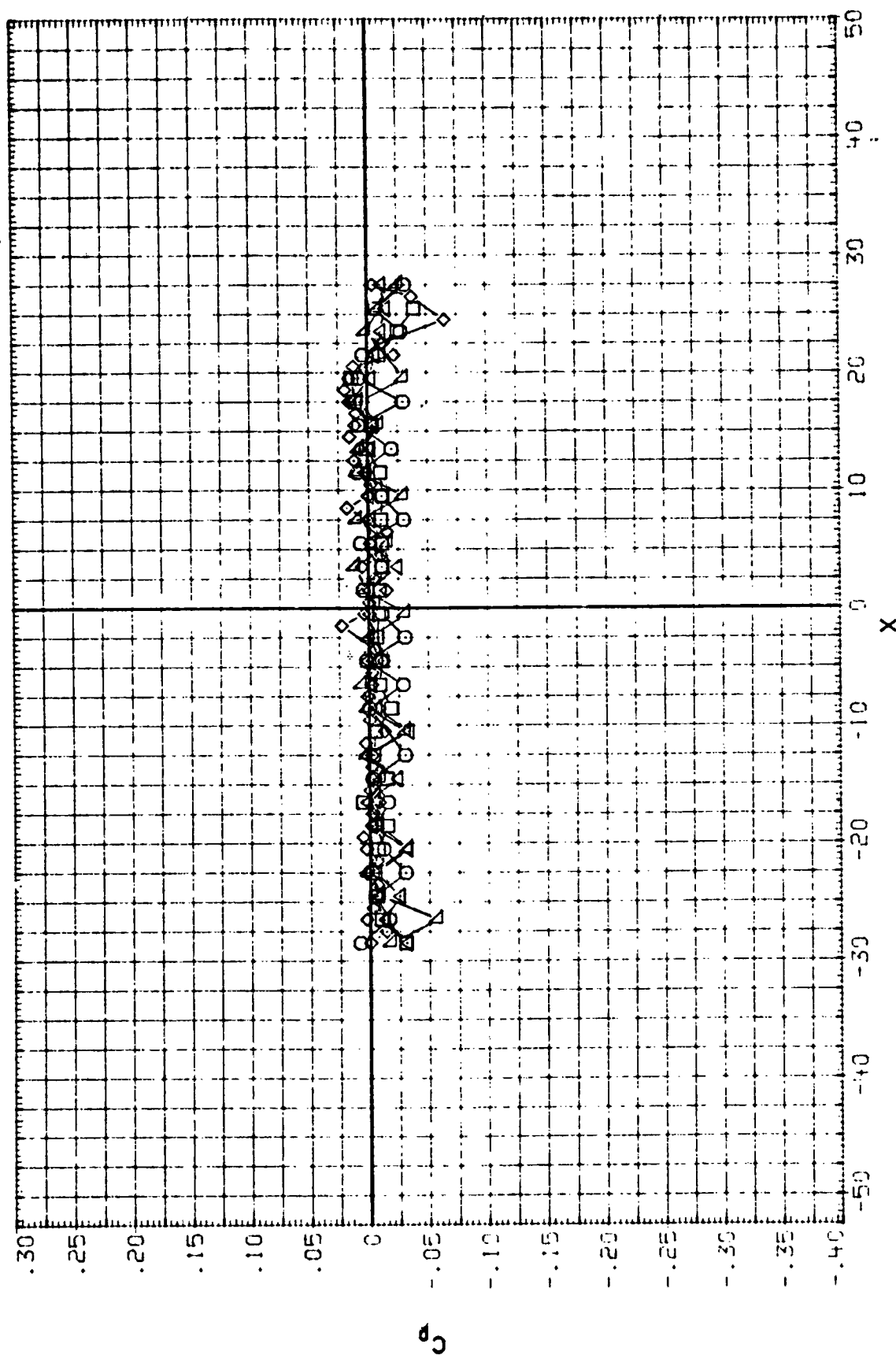


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP03) AMES 11-97-010 OS8A,B PA3 + BRA
 SYMBOL Y PT MACH
 -13.500 12.290 1.205
 -6.500
 -5.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

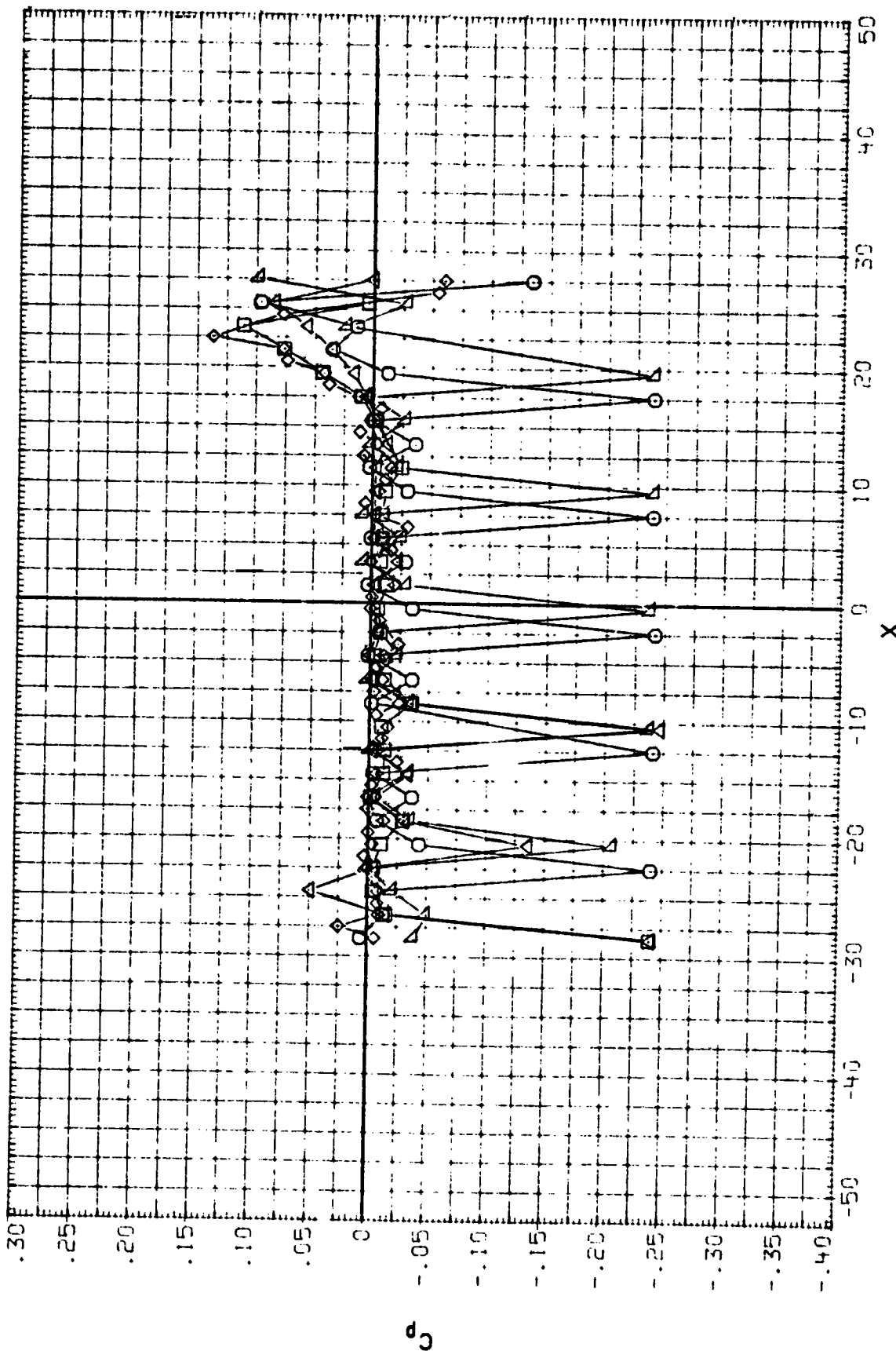


FIG. 16 STATIC SURFACE PRESSURES - DUMMY PANEL

(REXP04) AMES 11-97-010 OS8A,B PA3 + BRA + BG1

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 .2.300 .601

PARAMETRIC VALUES
 PT 12.280

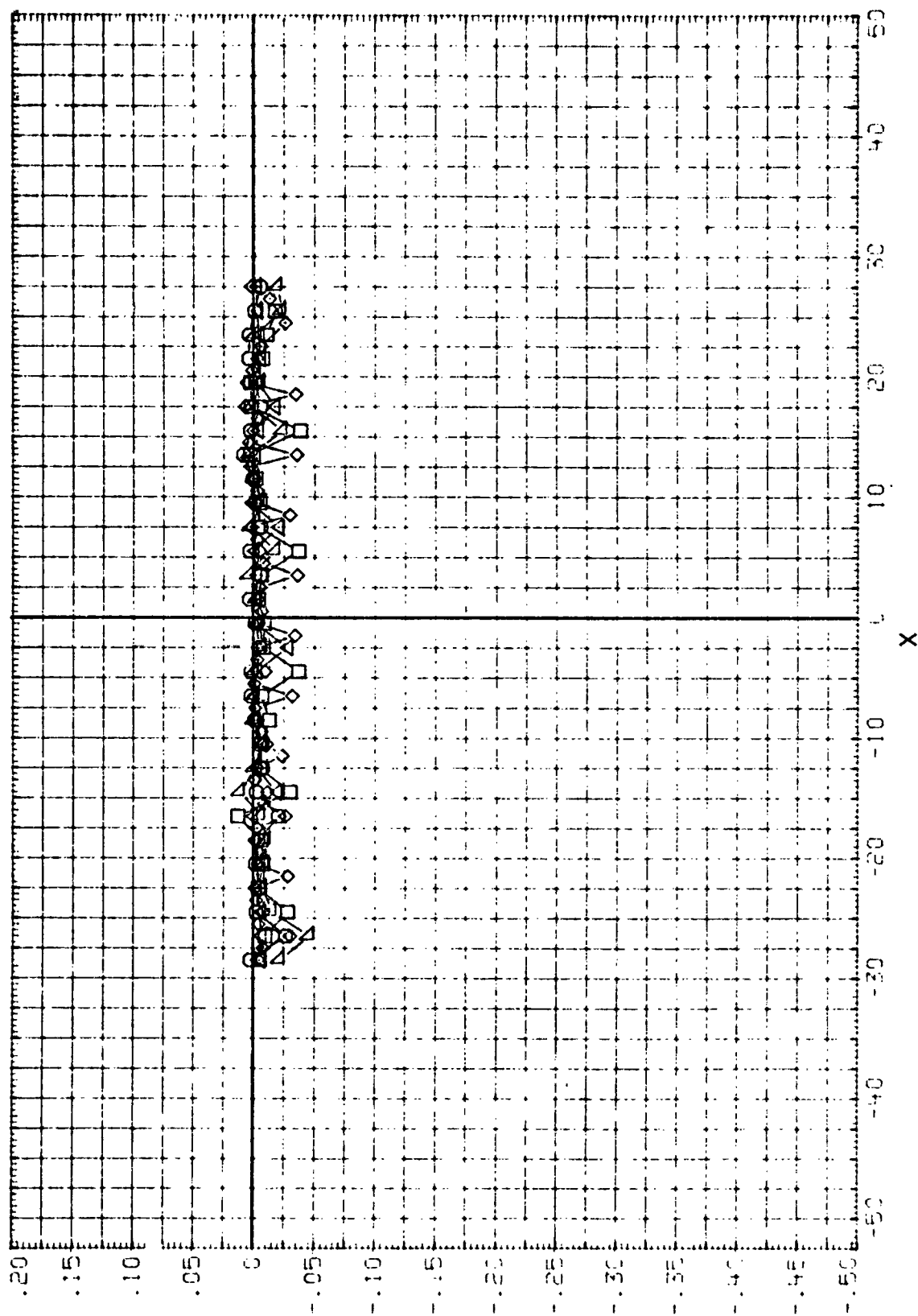


FIG. 17 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 1

PARAMETRIC VALUES
12 283

PT

AMES 11-97-010 OS8A.B PA3 + BRA + BG1

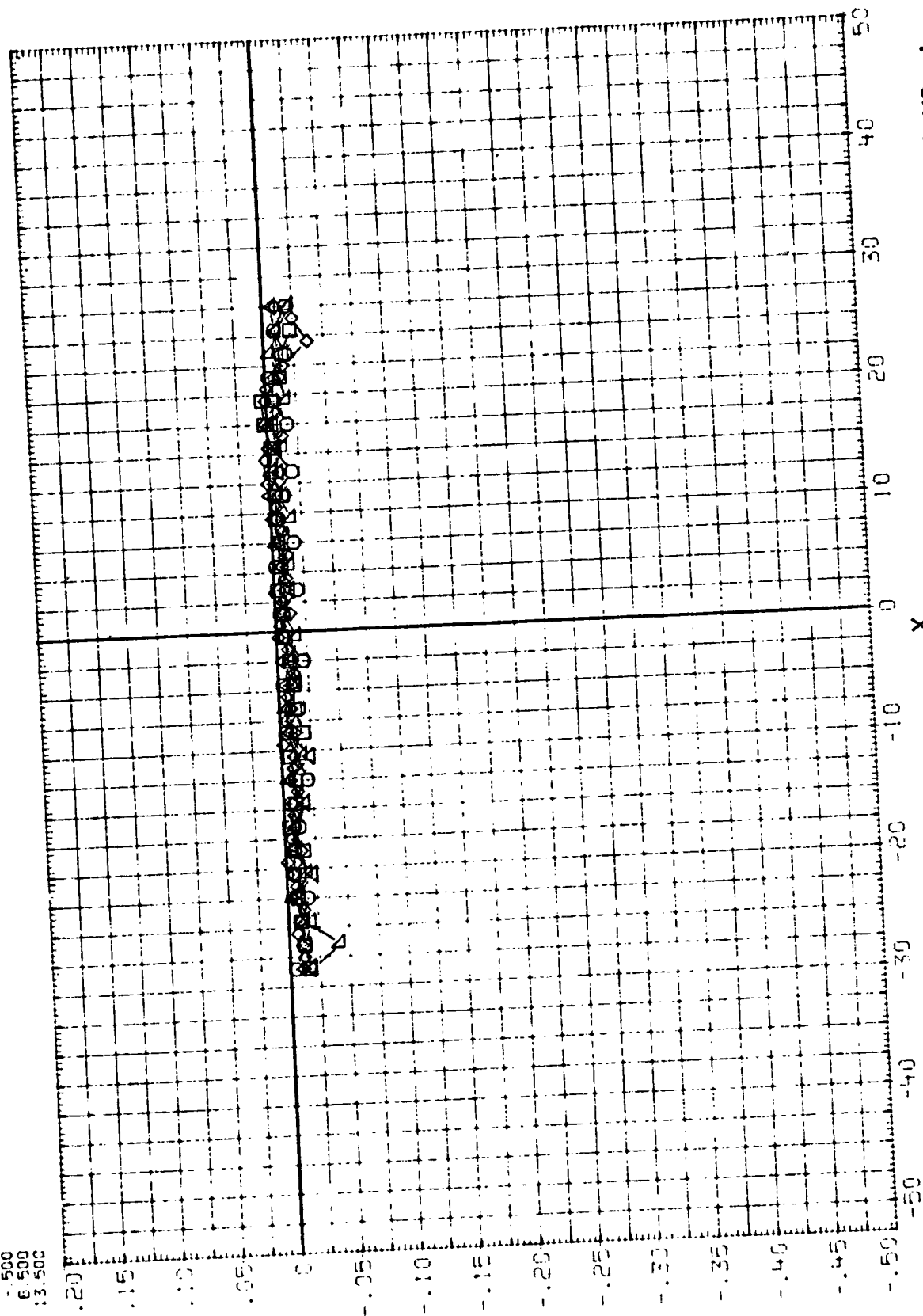
(REXP04)

SYMBOL

PT MACH

12 310 .804
-13.500
-6.500
6.500
13.500

0.10-4



X

FIG. 17 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 1

(REXP04) AMES 11-97-010 OS8A.B PA3 + BRA + BG1
 SYMBOL Y PT MACH
 -13.500 12.310 .903
 -6.500
 -5.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

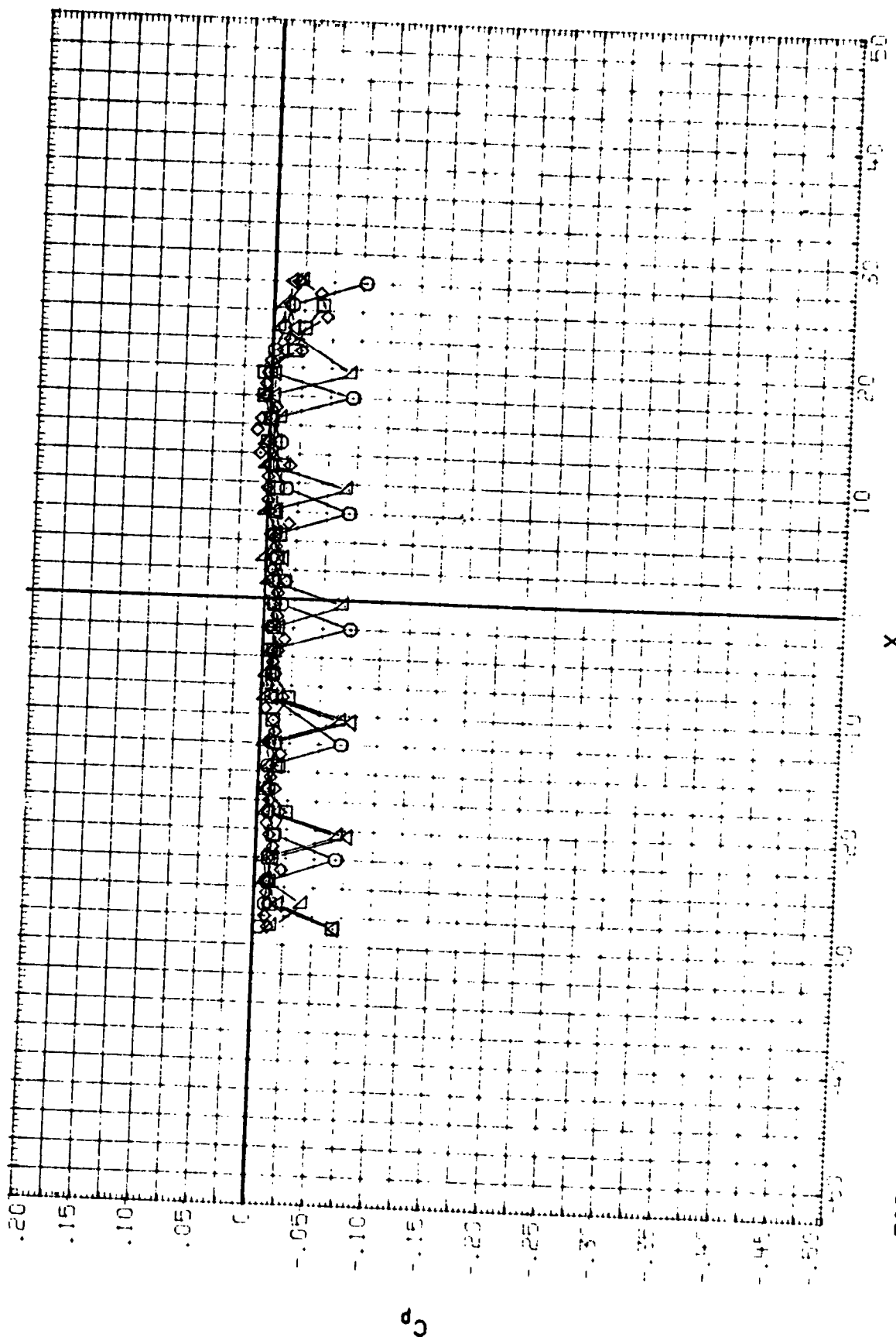


FIG. 17 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 1

(REXP04) AMES 11-97-010 058A.B PA3 + BRA + BG1

Symbol
Y
-13.500
-6.500
-1.500
6.500
13.500

PT
12.300
MACH
1.204

PARAMETRIC VALUES
PT
12.280

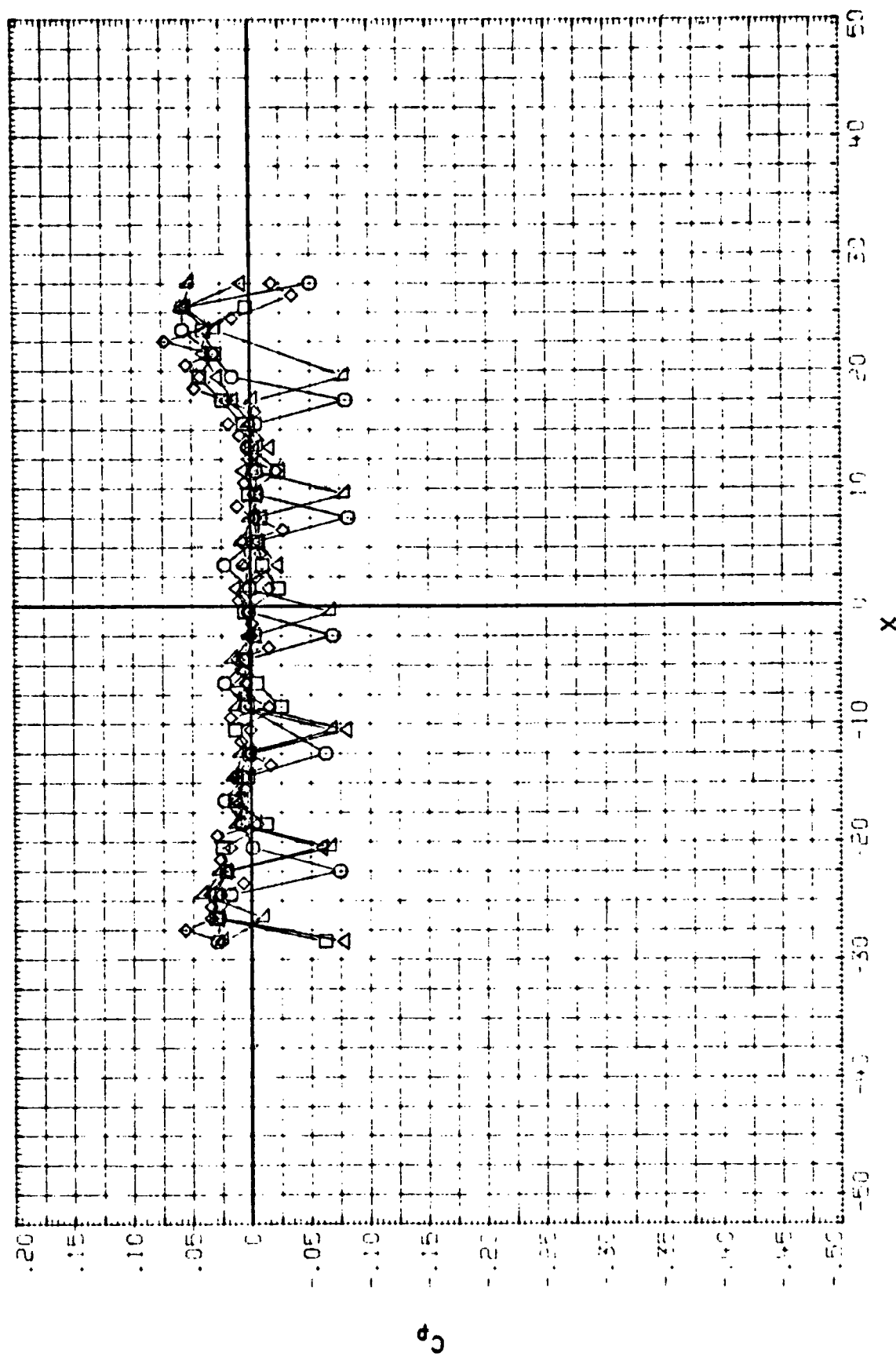


FIG. 17 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 1

(REXP04) AMES 11-97-010 OS8A.B PA3 + BRA + BG1

SYMBOL Y PT MACH
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

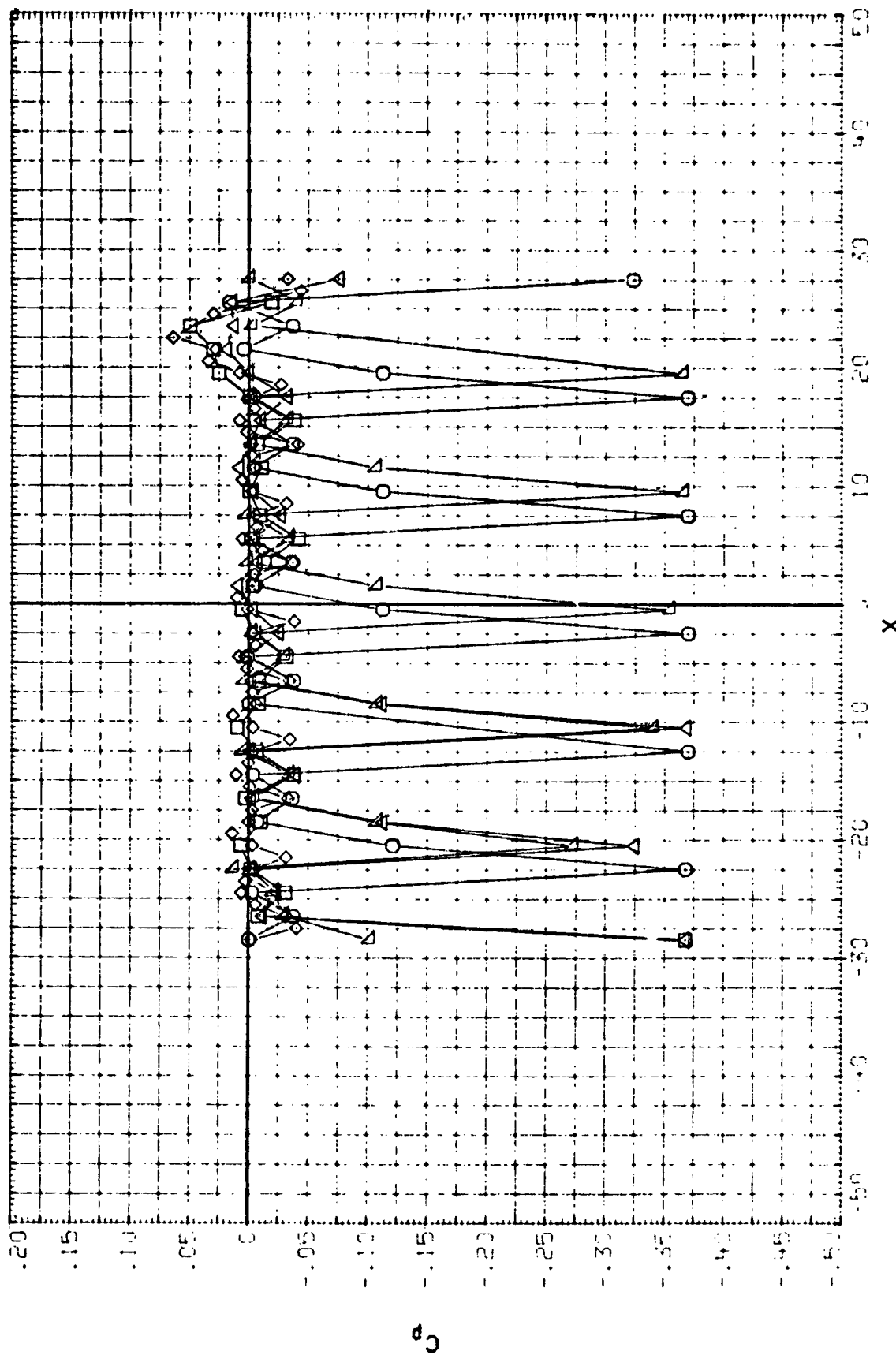


FIG. 17 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 1

(REXP05) AMES 11-97-010 058A.8 PA3 + BRA + BG2

5" BZL
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT 12.270
 MACH .598

PT 12.280
 PARAMETRIC VALUES

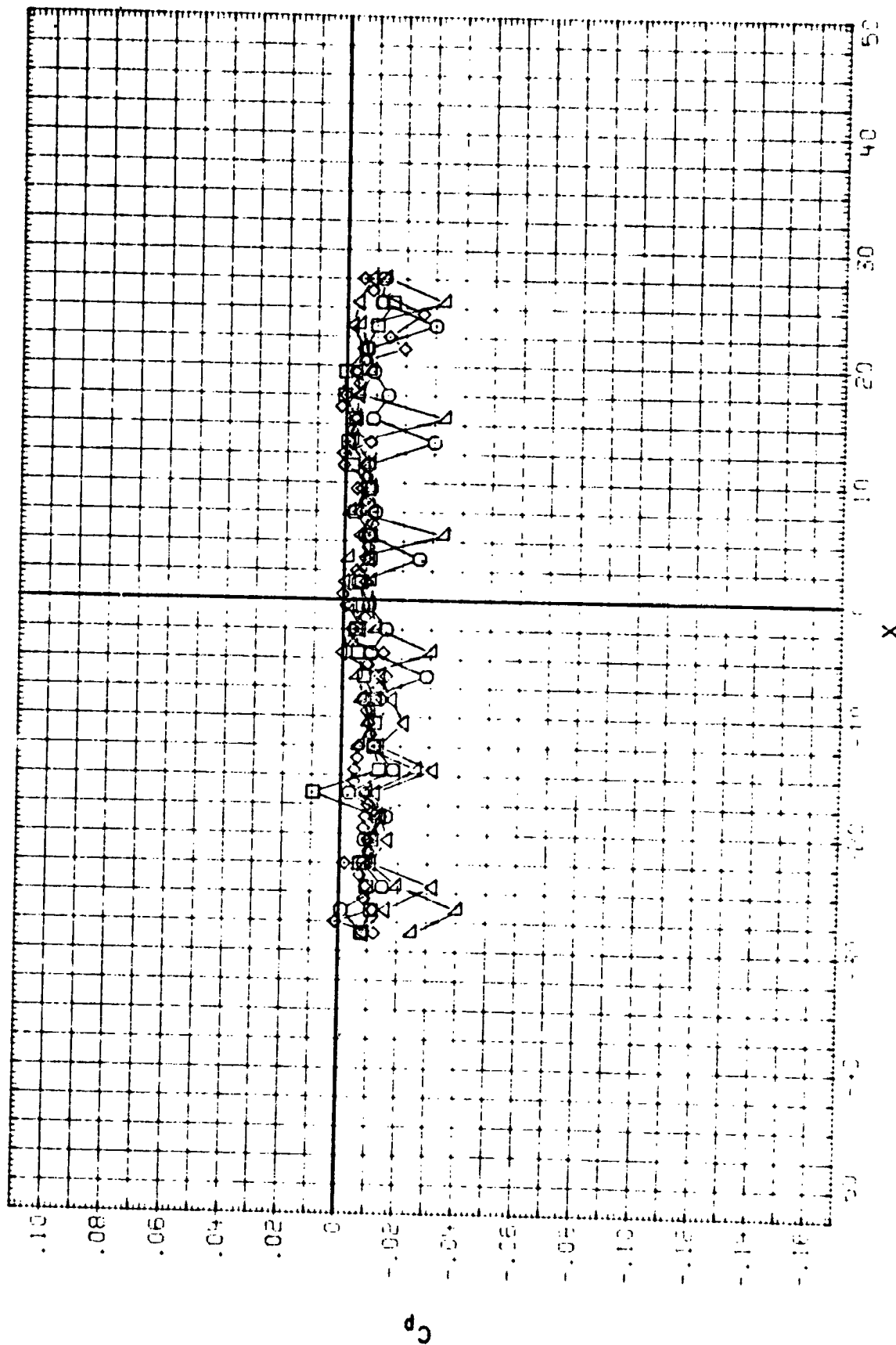


FIG. 18 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 2

PARAMETRIC VALUES
PT 12.280

(REXP05) AMES 11-97-010 OS8A.B PA3 + BRA + BG2
SYMBOL Y PT MACH .801

00001
-13.500
-6.500
-1.500
6.500
13.500

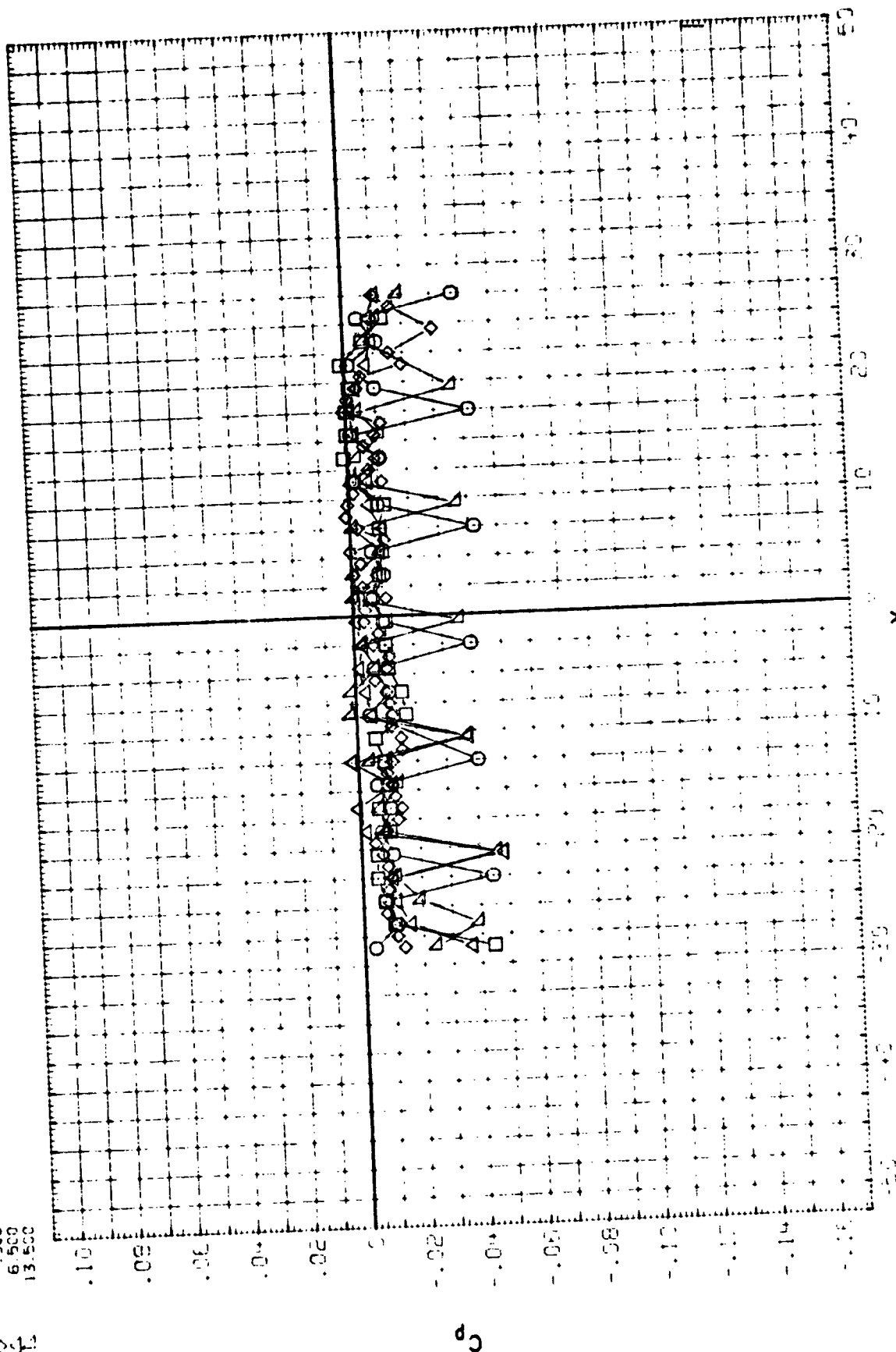


FIG. 18 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 2

(REXP05) AMES 11-97-010 058A.B PA3 + BRA + BG2

SIMBL

Y
-13.500
-6.500
-1.500
6.500
13.500

PT
12.280
MACH
.899

PARAMETRIC VALUES
PT
12.280

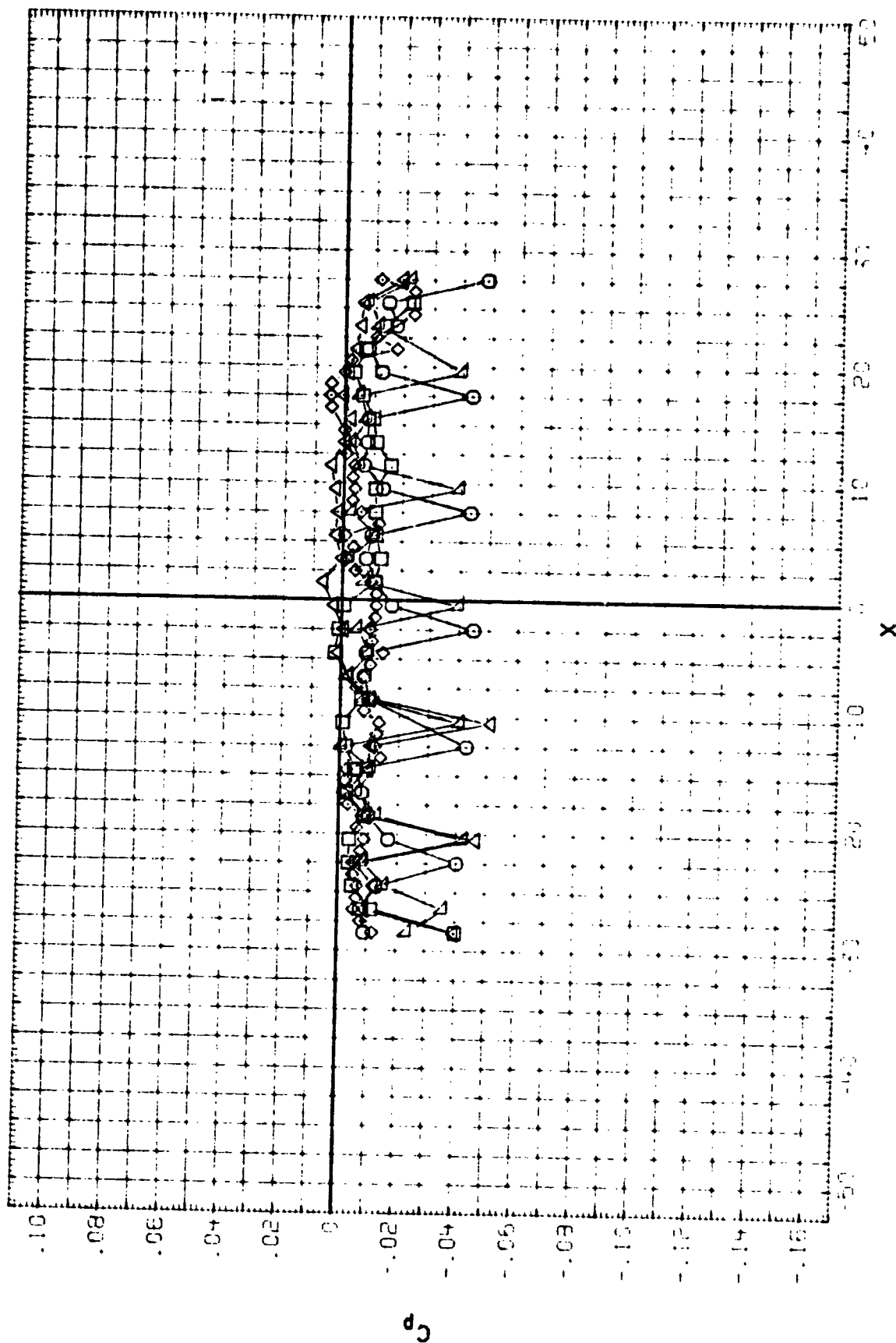


FIG. 18 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 2

(REXP05) AMES 11-97-010 OS8A.B PA3 + BRA + BG2

SYMBOL Y PT MACH
 -13.500
 -6.500
 -5.000
 5.000
 13.500

PARAMETRIC VALUES
 PT 12.289

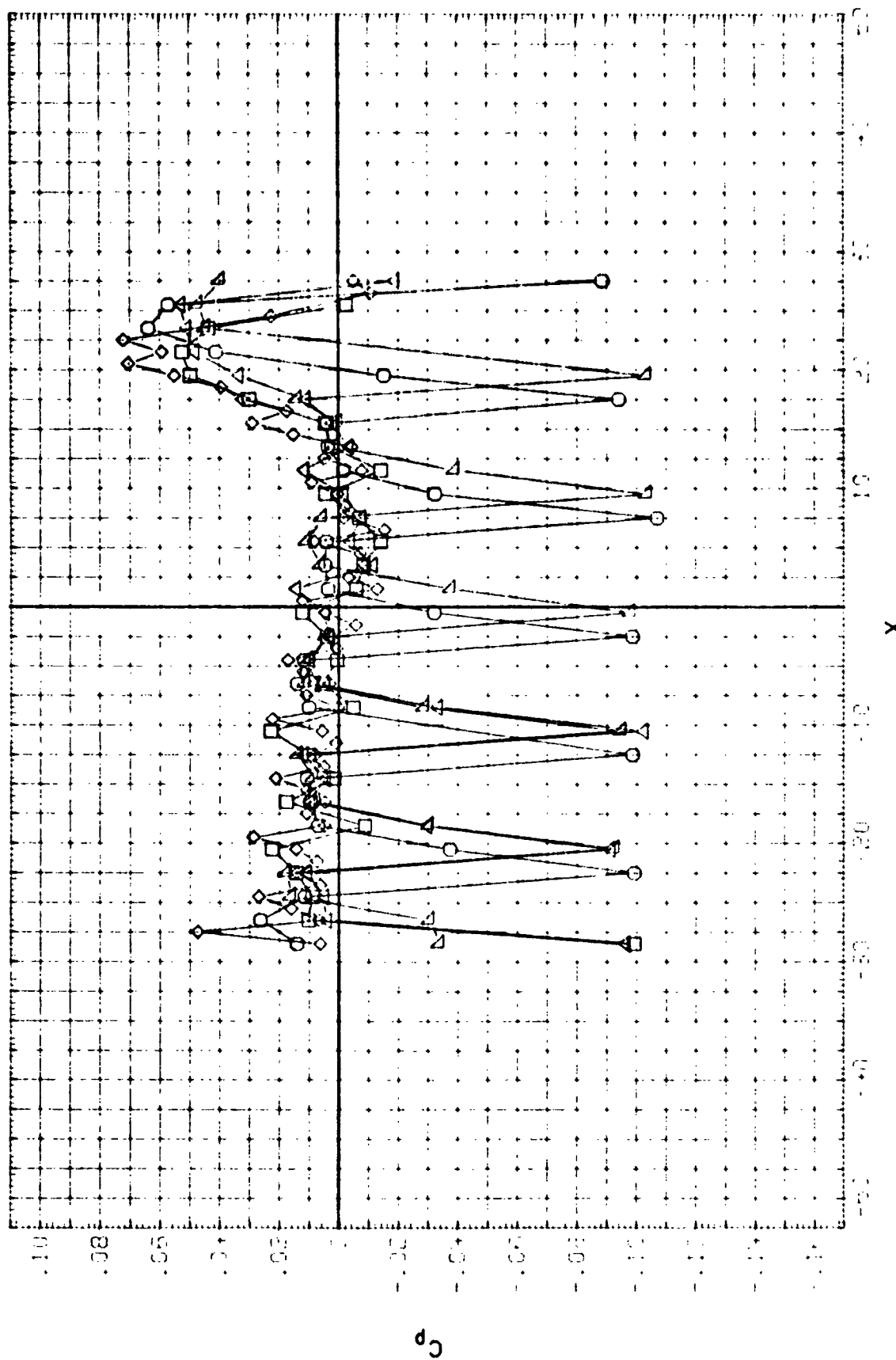
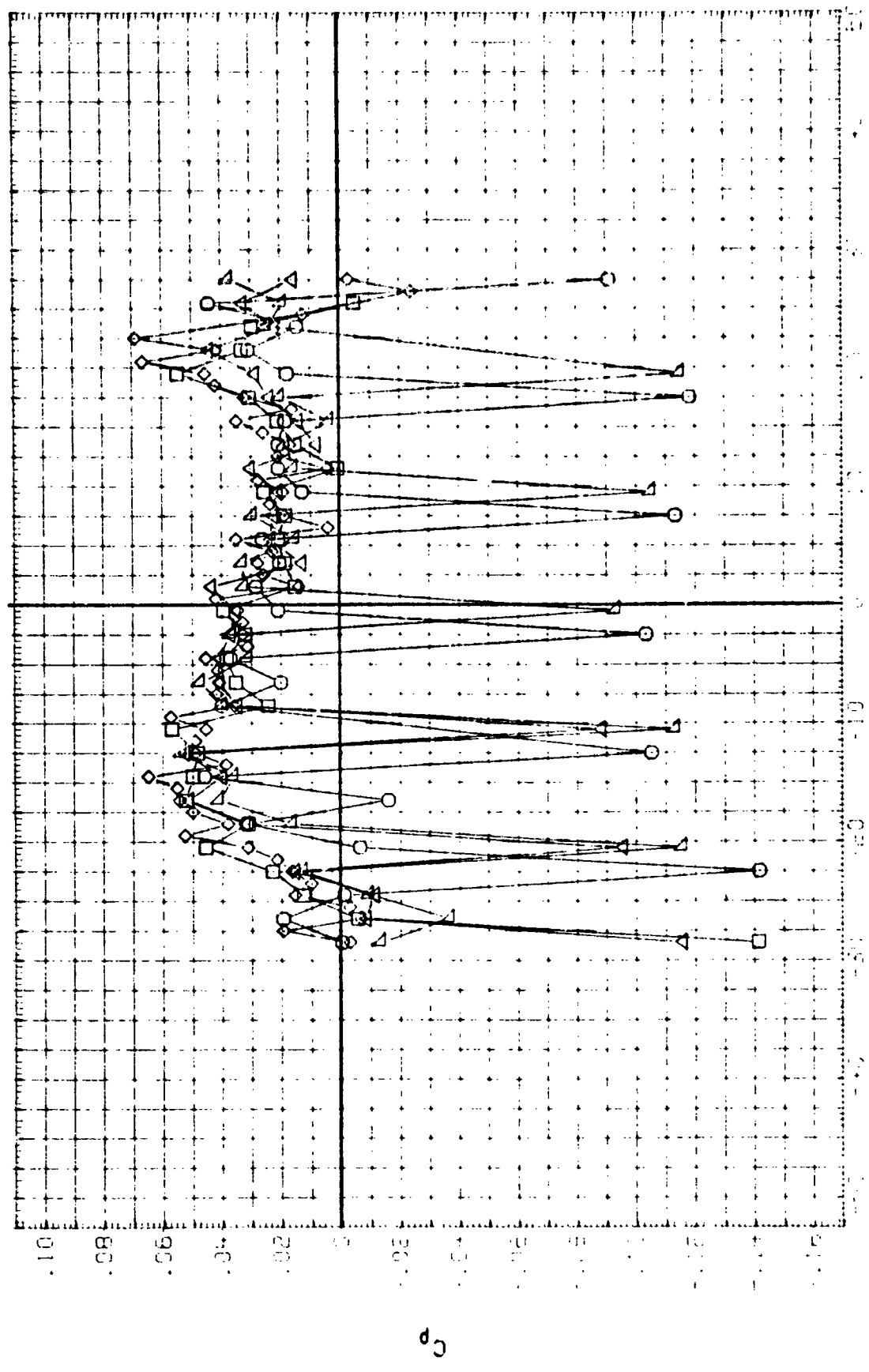


FIG. 18 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 2

(REXP05) AMES 11-97-010 OS8A.B PA3 + BRA + BG2

PARAMETRIC VALUES
12.242

SYMBOL Y PT MACH
-13.500 12.290 1.269
-6.500
-5.500
6.500
13.500



X

FIG. 18 STATIC SURFACE PRESSURES - DUMMY PANEL - BOUNDARY LAYER GENERATOR NO. 2

(REXP06) AMES 11-97-010 OS8A.B PA1

PARAMETRIC VALUES

12.280

PT

MACH

.601

PT

12.300

Y

-13.500

-6.500

-1.500

6.500

13.500

□ ◇ △

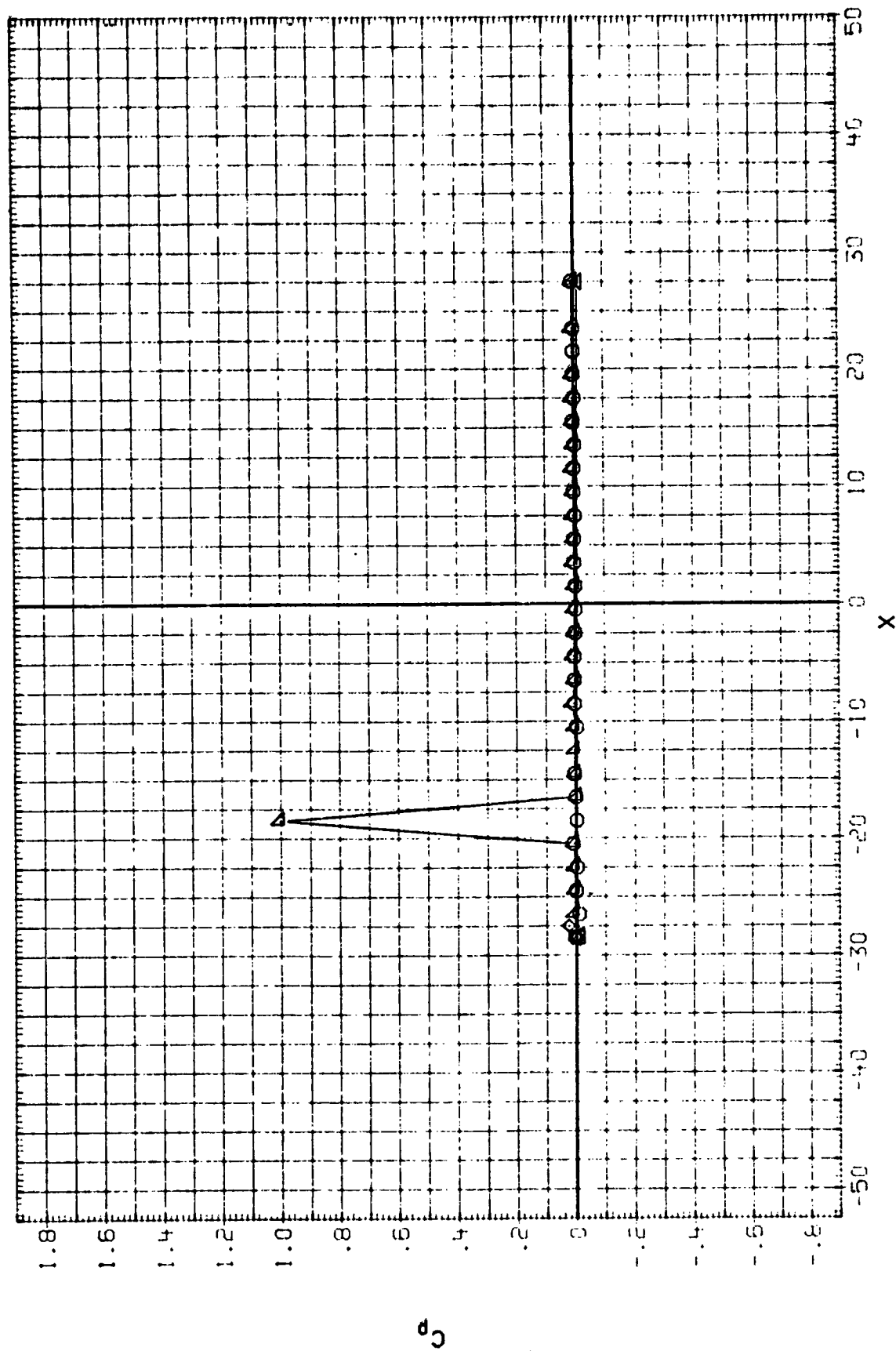


FIG. 19 STATIC SURFACE PRESSURES - ELASTIC PANEL

(REXP06) AMES 11-97-010 058A.B PAI

SYMBOL Y

-13.500
-6.500
-5.500
6.500
13.500

PT MACH .799

PARAMETRIC VALUES
PT 12.280

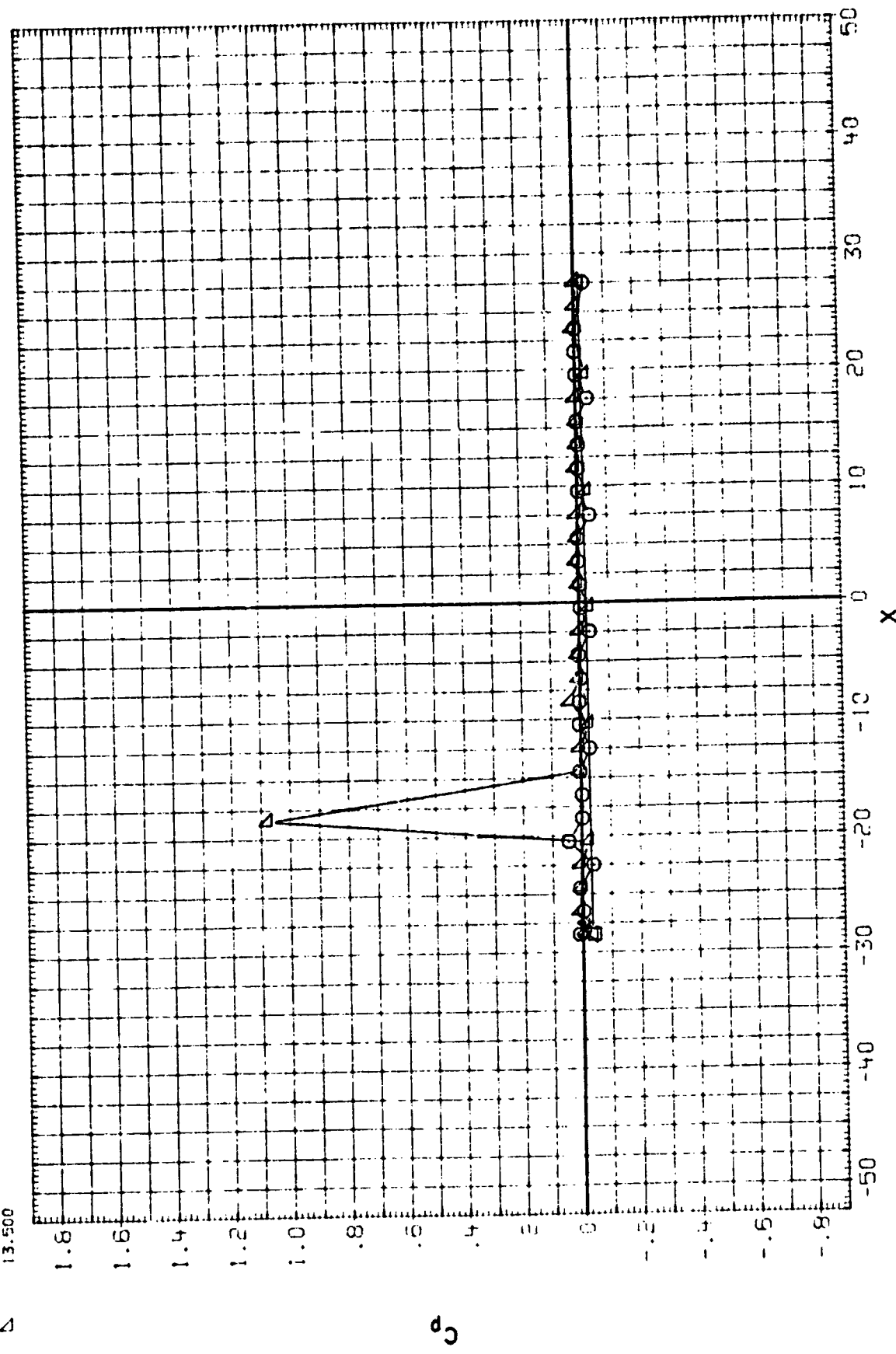


FIG. 19 STATIC SURFACE PRESSURES - ELASTIC PANEL

(REXP06) AMES 11-97-010 058A.B PA1

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT 12.300
 MACH .900

PARAMETRIC VALUES
 12.280

PT

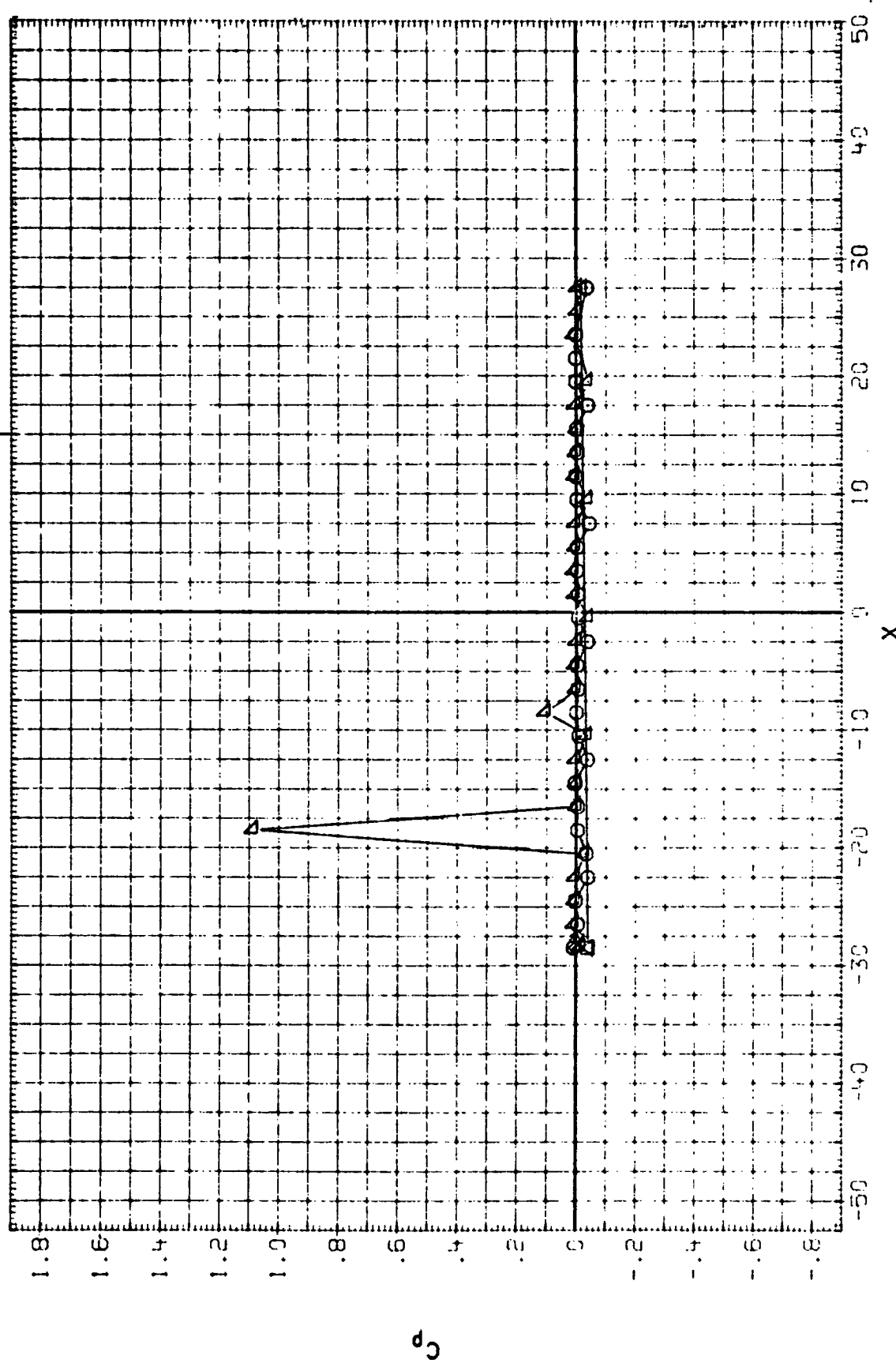


FIG. 19 STATIC SURFACE PRESSURES - ELASTIC PANEL

(REXP06) AMES 11-97-010 OS8A.8 PA1

SYMBOL Y
-13.500
-5.500
-5.500
5.500
13.500

PT MACH
12.290 1.204

PARAMETRIC VALUES
PT 12.280

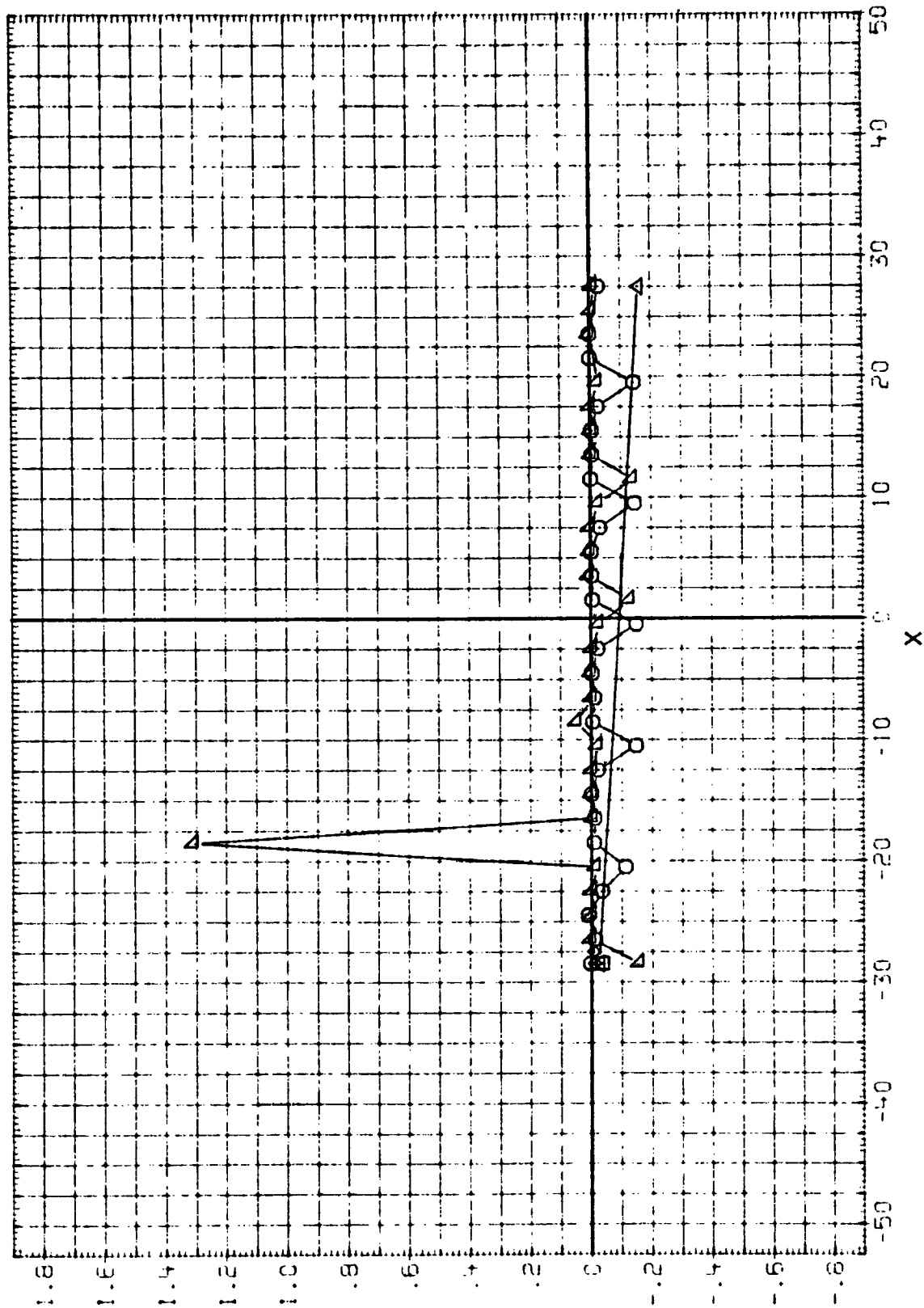


FIG. 19 STATIC SURFACE PRESSURES - ELASTIC PANEL

(REXP06). AMES 11-97-010 OS8A.B PA1

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 12.290 1.402

PARAMETRIC VALUES
 PT 12.280

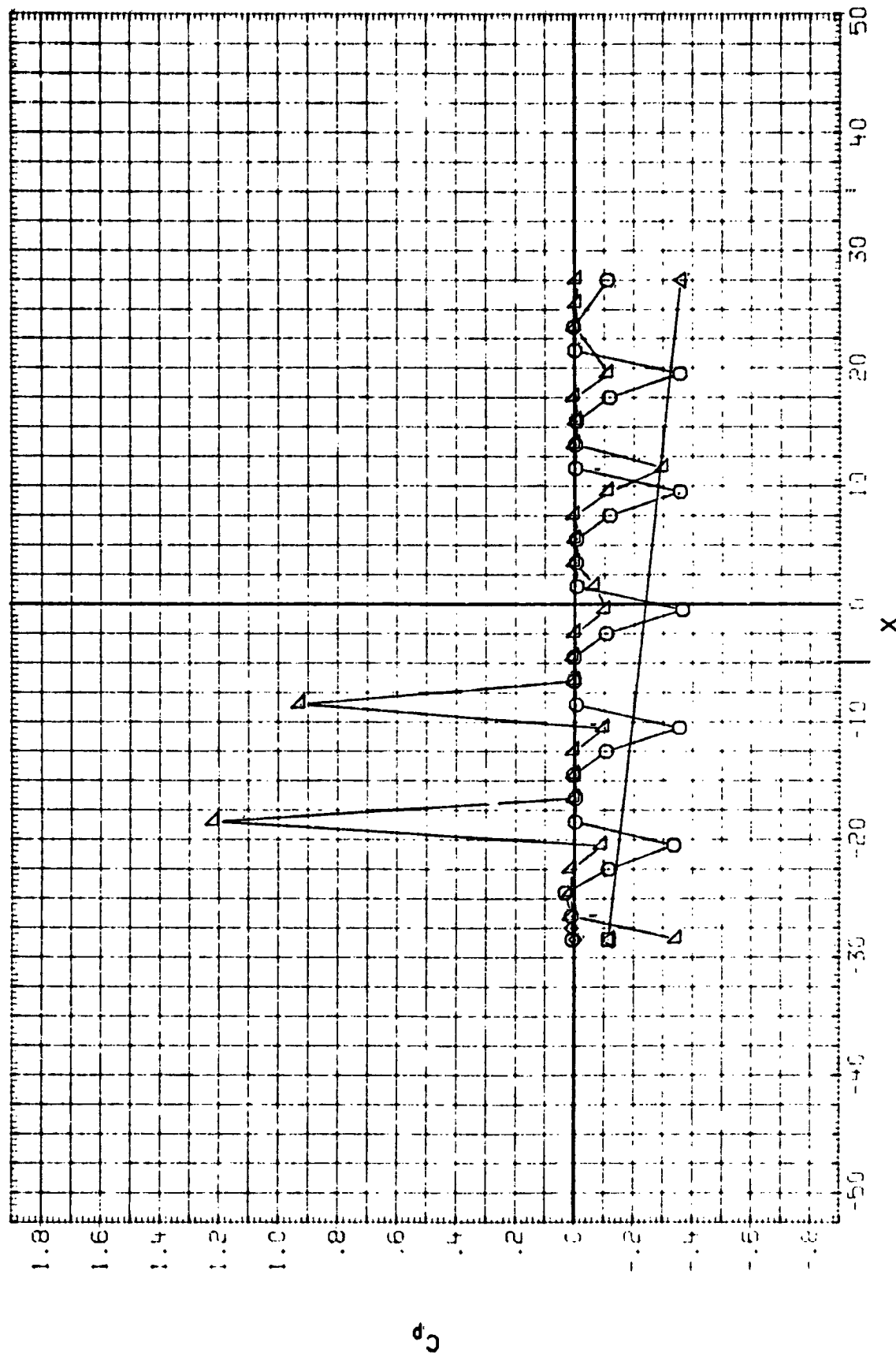


FIG. 19 STATIC SURFACE PRESSURES - ELASTIC PANEL

(REXP07) AMES 11-97-010 OS8A.B PA1 + BG1

SYMBOL

PT MACH

PARAMETRIC VALUES

-13.500
-6.500
-1.500
6.500
13.500

PT

MACH

12.280

PT

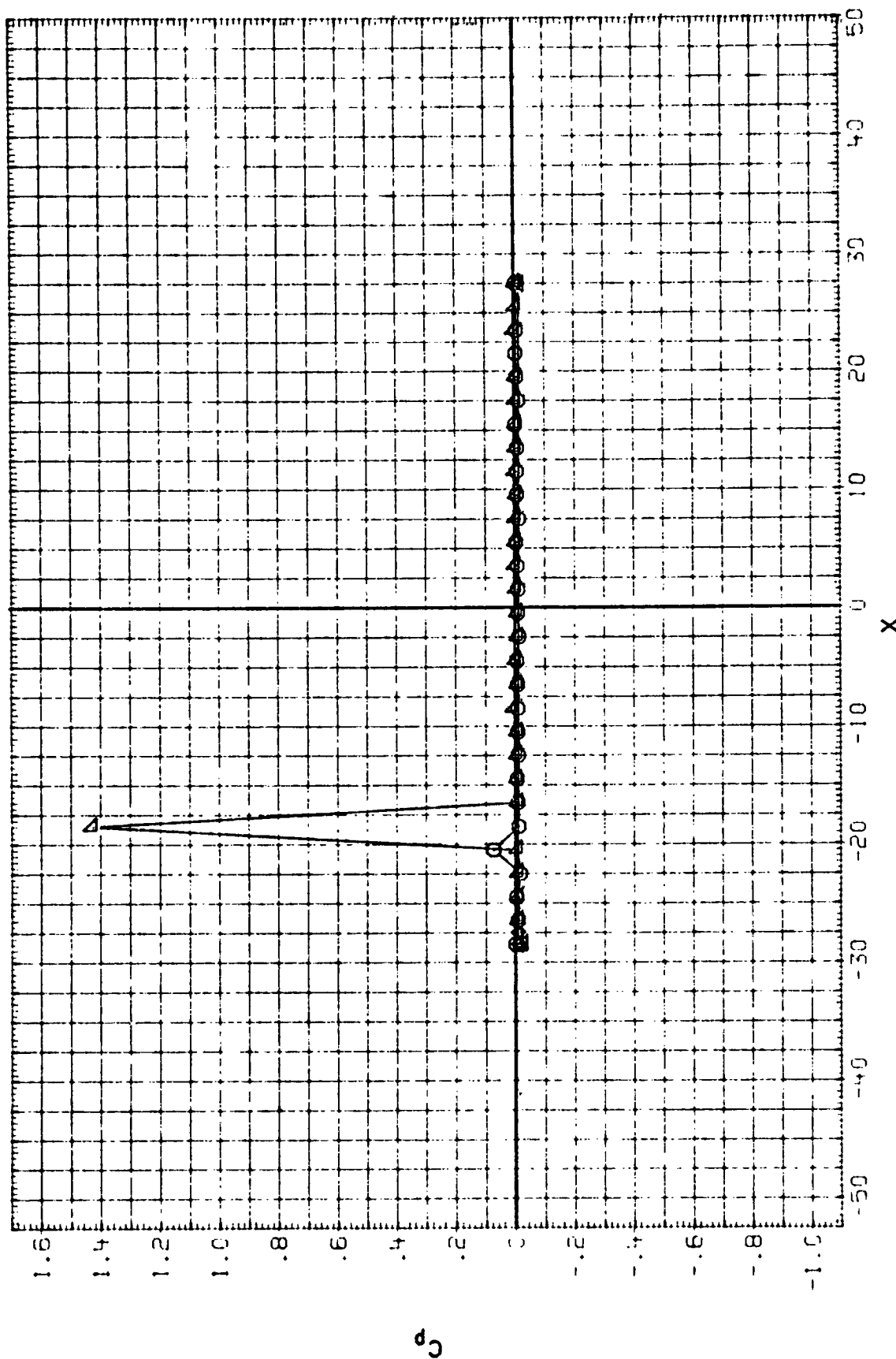


FIG. 20 STATIC SURFACE PRESSURES - ELASTIC PANEL -BOUNDARY LAYER GENERATOR NO.1

(REXP07) AMES 11-97-010 OS8A,B PA1 + B61

SYMBOL
-13.500
-6.500
-5.500
6.500
13.500

PT 12.300
MACH .802

PARAMETRIC VALUES
PT 12.280

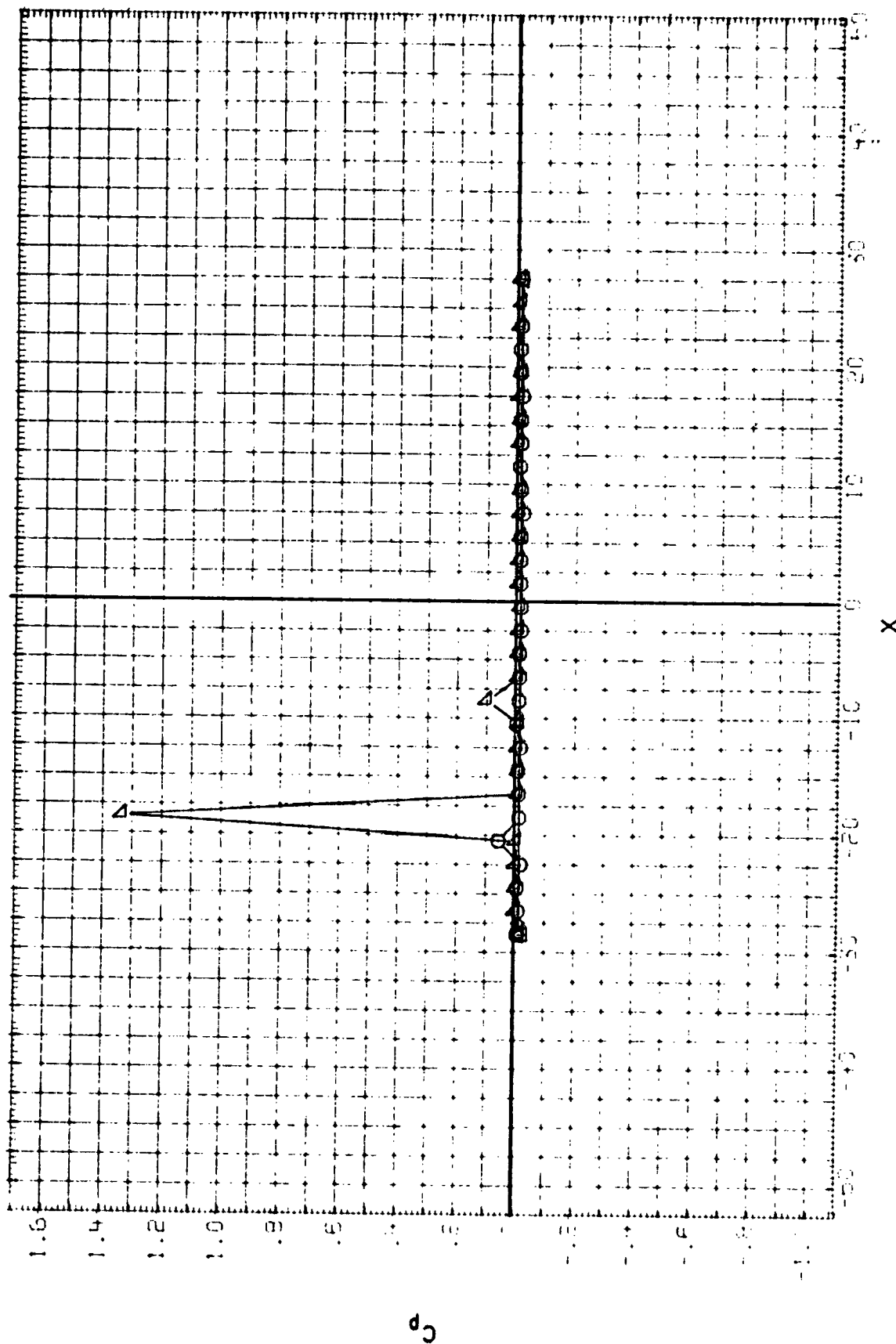


FIG. 20 STATIC SURFACE PRESSURES - ELASTIC PANEL - BOUNDARY LAYER GENERATOR NO.1

(REXP07) AMES 11-97-010 OS8A.B PA1 + BGI

SYMBOL
 -13.500
 -6.500
 -500
 6.500
 13.500

PT 12.300
 MACH .902

PARAMETRIC VALUES
 PT 12.260

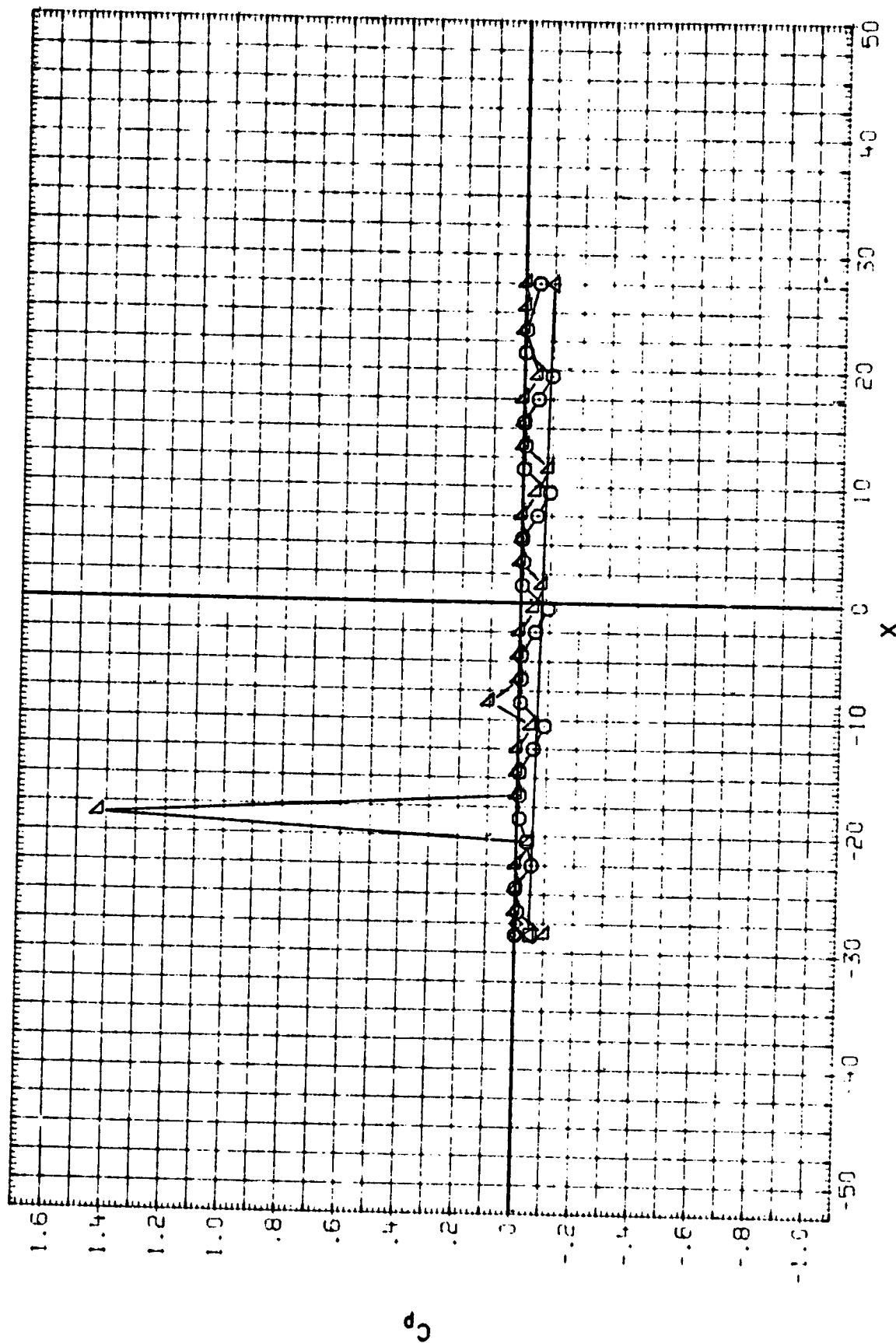


FIG. 20 STATIC SURFACE PRESSURES - ELASTIC PANEL -BOUNDARY LAYER GENERATOR NO.1

(REXP07) AMES 11-97-010 058A,B PAJ + BG1

SYMBOL	Y	PT	MACH
13.500	-13.500	12.300	1.206
6.500	6.500		
6.500	-6.500		
13.500	13.500		

PARAMETRIC VALUES
PT 12.280

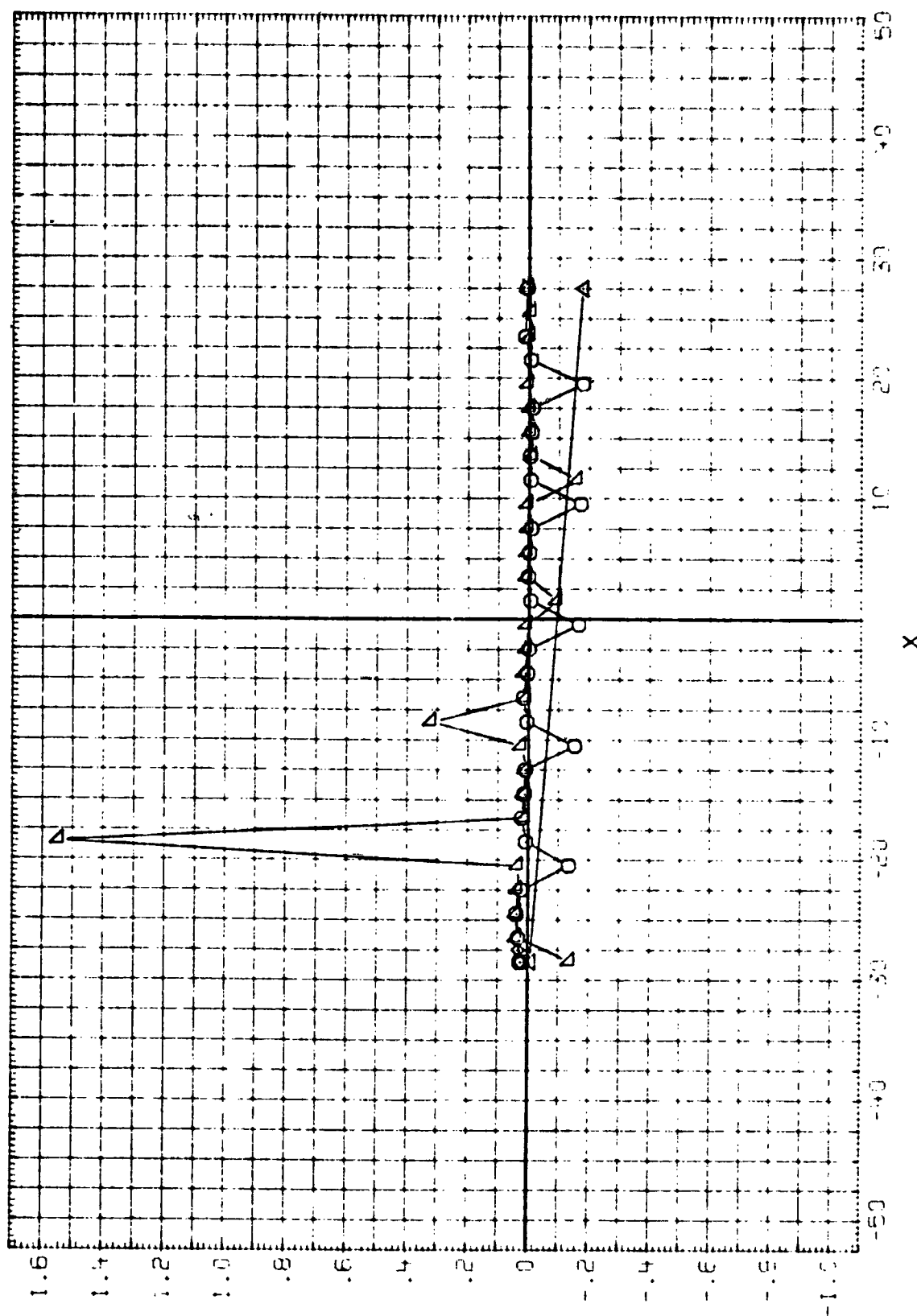


FIG. 20 STATIC SURFACE PRESSURES - ELASTIC PANEL - BOUNDARY LAYER GENERATOR NO.1

(REXP07) AMES 11-97-010 OS8A.8 PA1 + BG1

PARAMETRIC VALUES

PT 12.260

PT 12.300

MACH 1.401

13.500

6.500

13.500

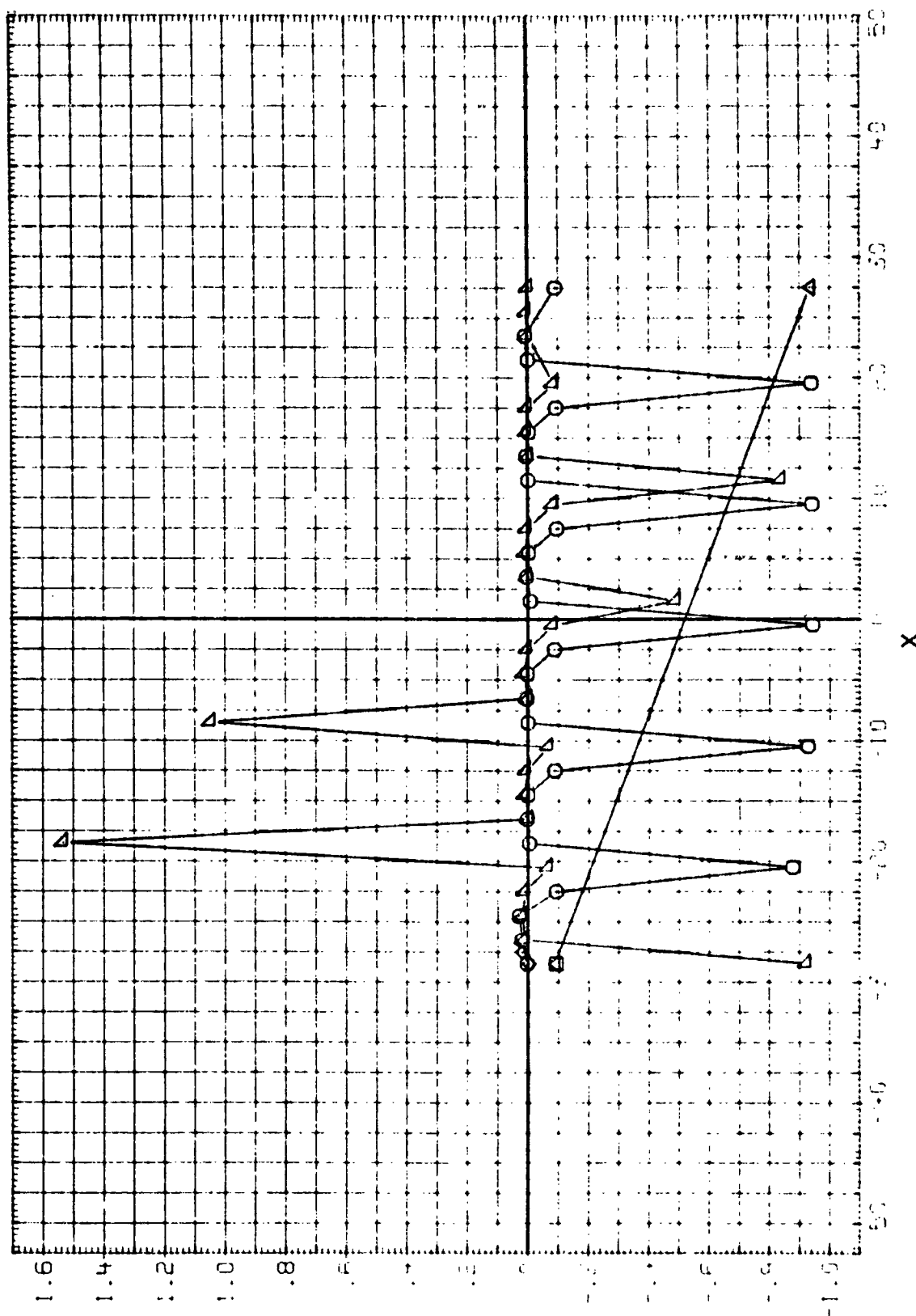


FIG. 20 STATIC SURFACE PRESSURES - ELASTIC PANEL -BOUNDARY LAYER GENERATOR NO.1

(REXP08) AMES 11-97-010 CS8A.B PA1 + P32

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT 12.280
 MACH .500

PARAMETRIC VALUES
 PT 12.280

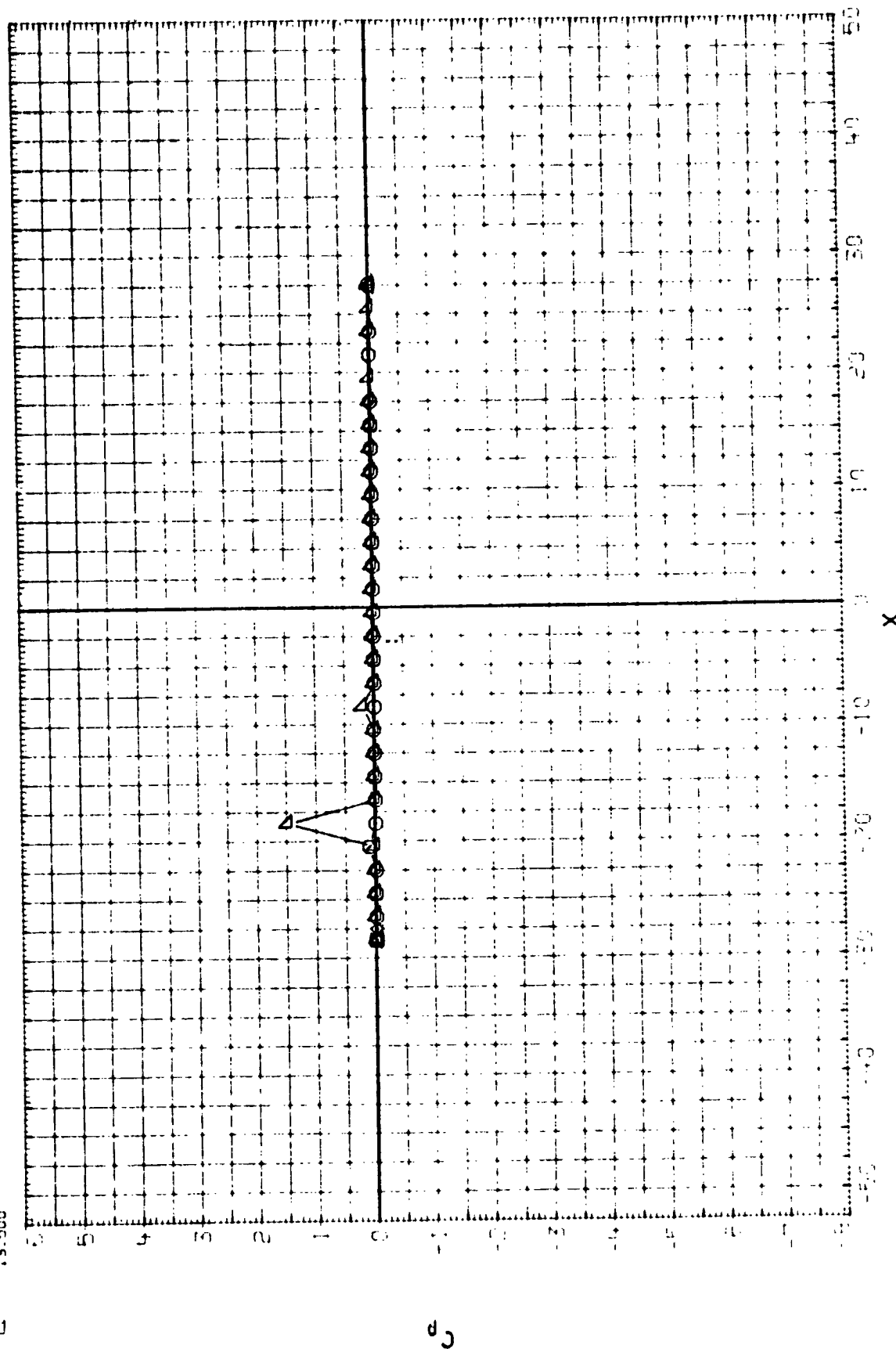


FIG. 21 STATIC SURFACE PRESSURES - ELASTIC PANEL - BOUNDARY LAYER GENERATOR NO.2

(REXP08) AMES 11-97-010 OS8A.B PA1 + BC2

3000

3 500
6 500
9 500
12 500
15 500

PT 12.280
MICH 1.48

PARAMETRIC VALUES
P* 12.280

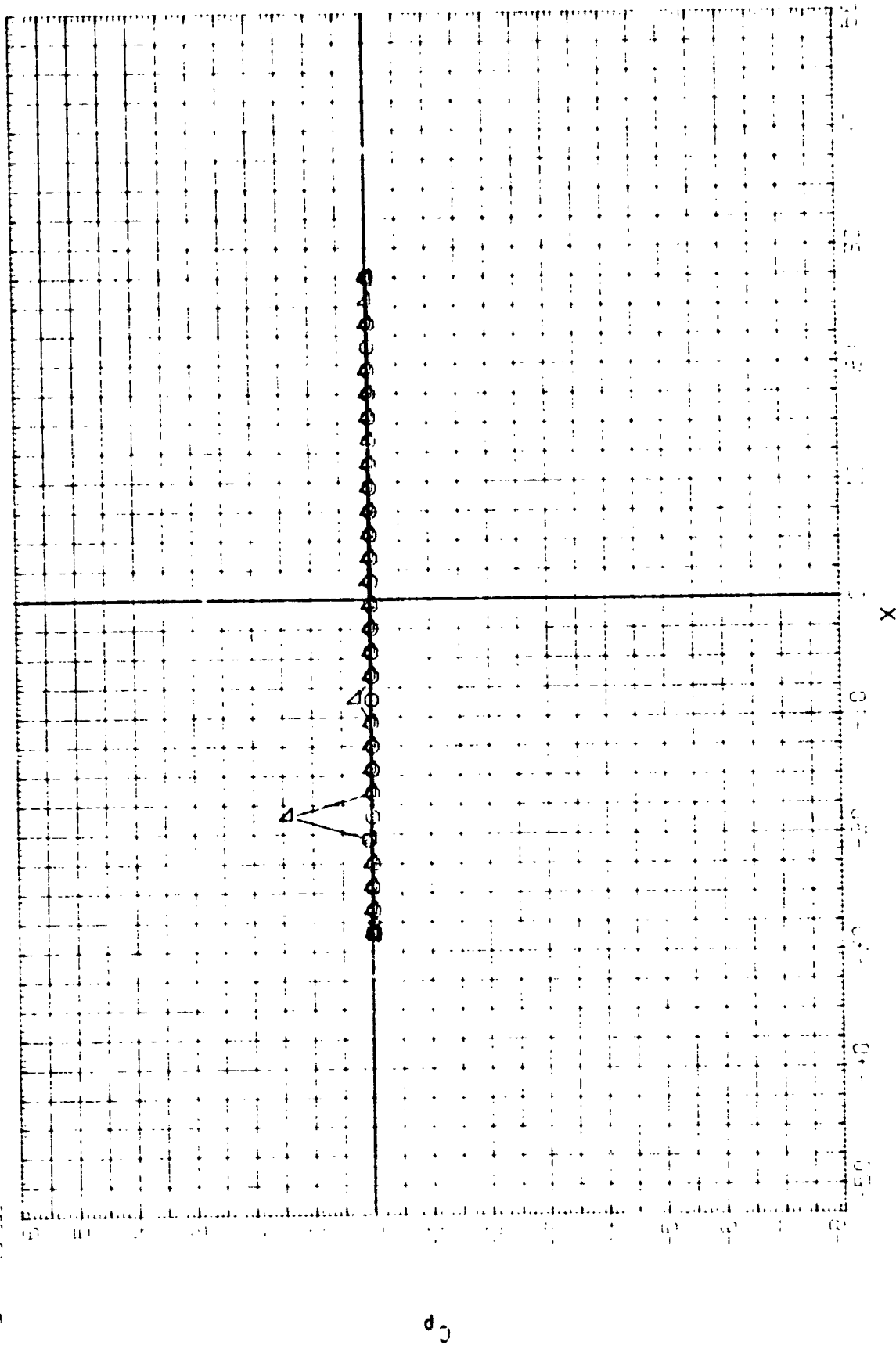


FIG. 21 STATIC SURFACE PRESSURES - ELASTIC PANEL -BOUNDARY LAYER GENERATOR NO.2

(REXP08) AMES 11-97-010 OS8A.B PA1 + BG2

SYNTH
Y
-13.500
-6.500
-1.500
6.500
13.500

PT MACH
12.280 .900

PARAMETRIC VALUES
PT 12.280

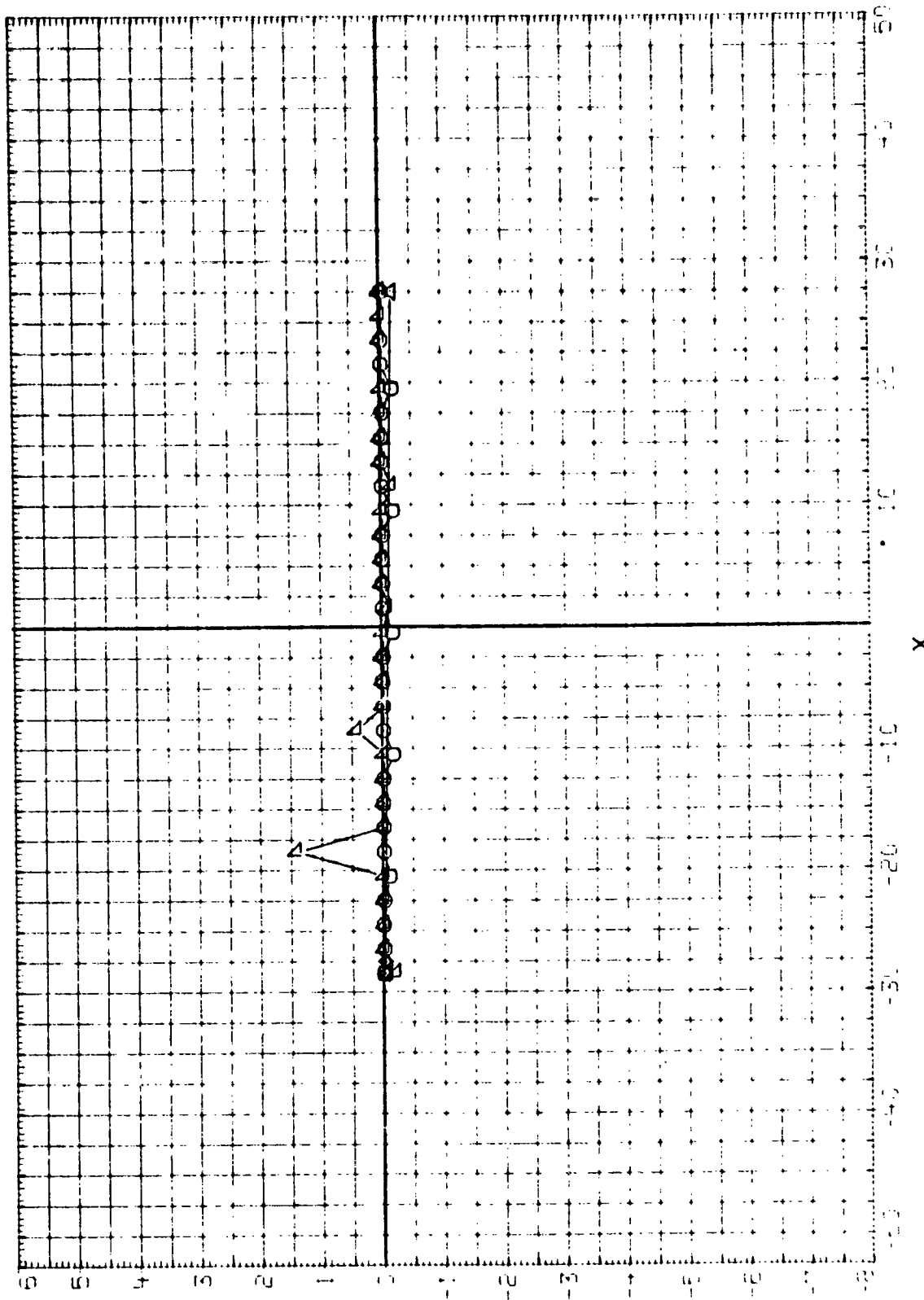


FIG. 21 STATIC SURFACE PRESSURES - ELASTIC PANEL - BOUNDARY LAYER GENERATOR NO.2

(REXP08) AMES 11-97-C10 CS8A.B PA1 + 902

5/1/90
 13.500
 6.500
 1.500
 6.500
 13.500
 pt 12.280
 mach 1.204

13.281

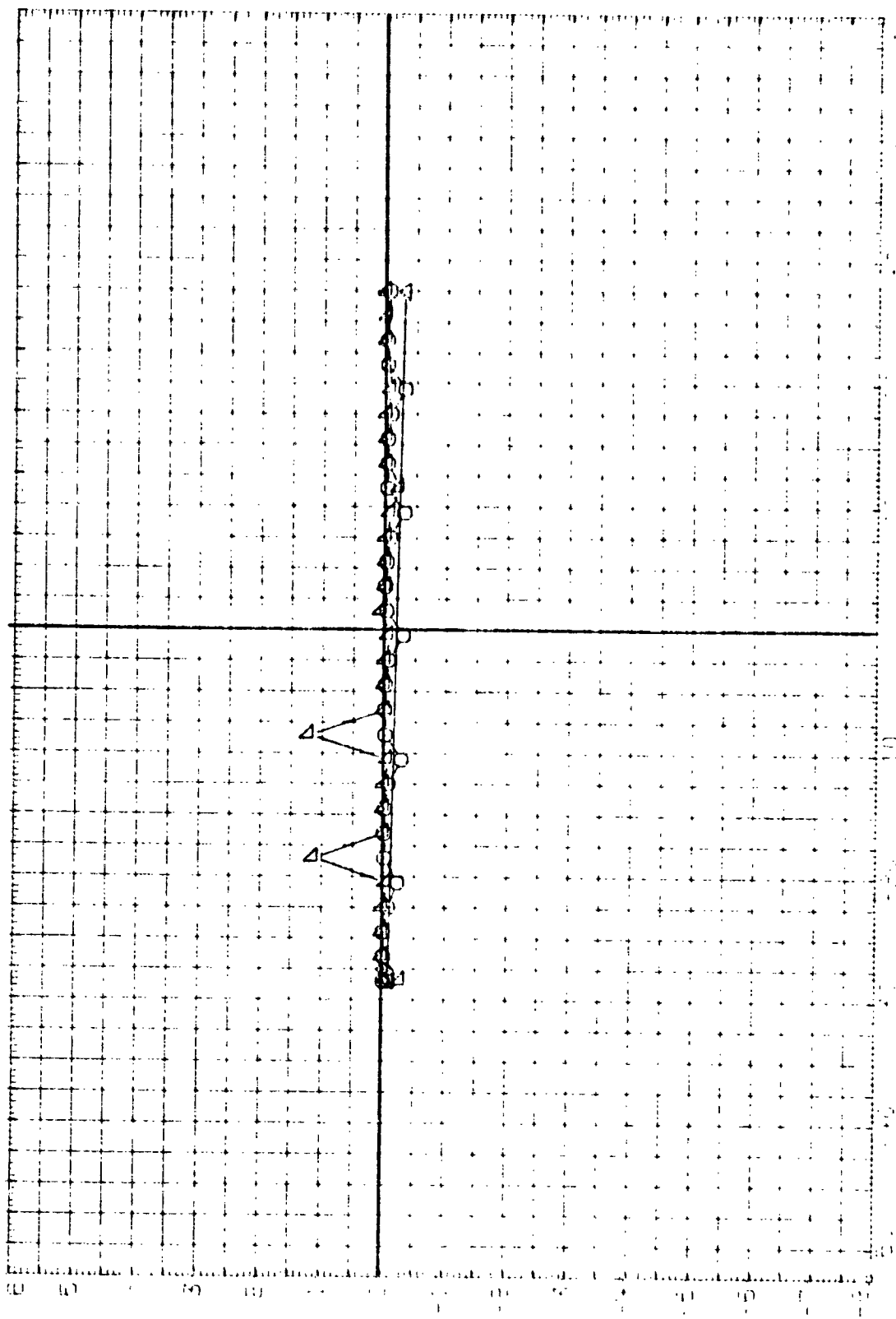


FIG. 21 STATIC SURFACE PRESSURES - ELASTIC PANEL -BOUNDARY LAYER GENERATOR NO.2

(REXF08) AMES 11-97-010 0S8A,B PA1 + BG2

Symbol Y PT MACH
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

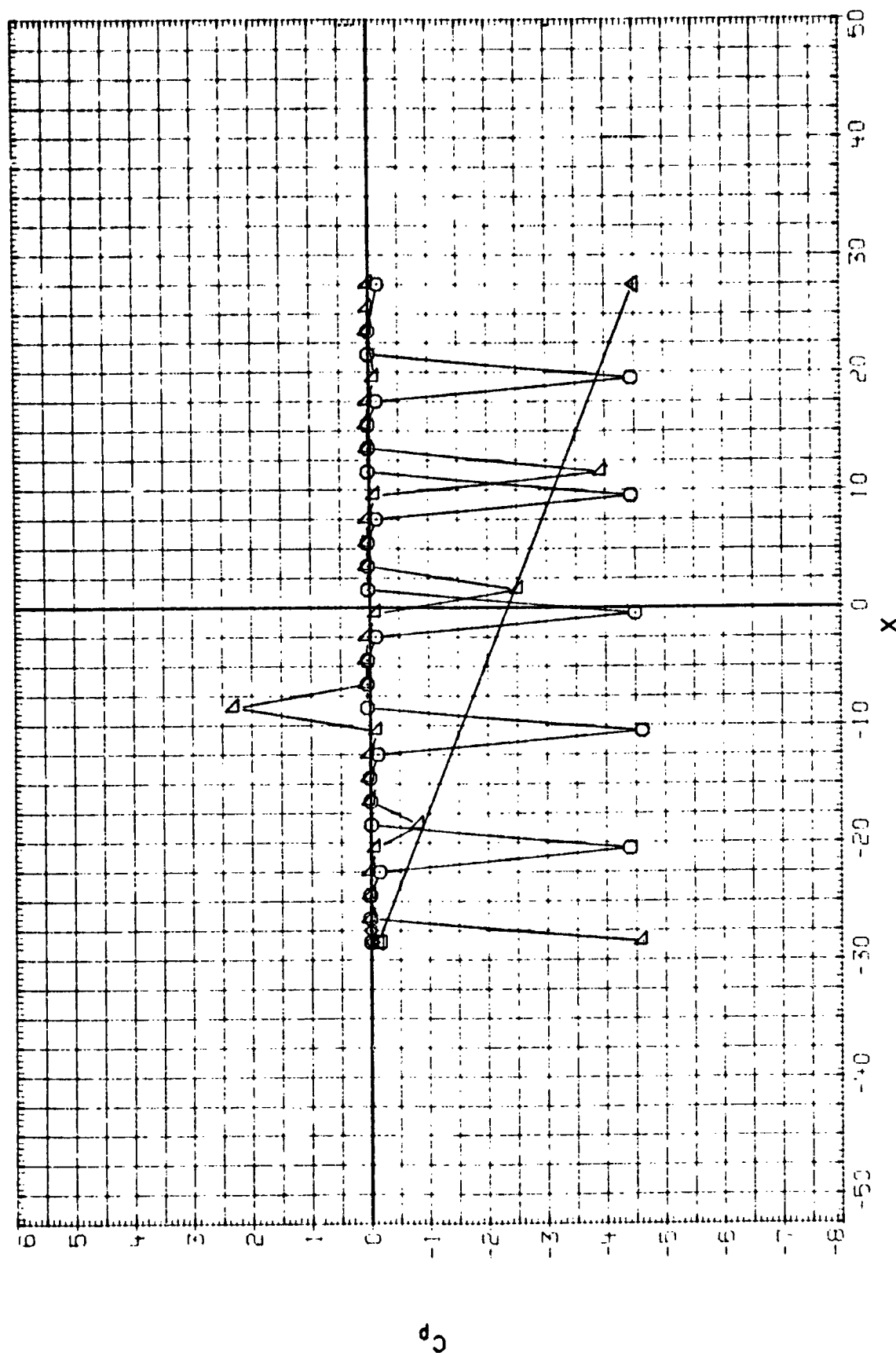


FIG. 21 STATIC SURFACE PRESSURES - ELASTIC PANEL -BOUNDARY LAYER GENERATOR NO.2

(REXP11) AMES 11-97-010 OS8A,B SF1 + PA3 + BLB

SYMBOL

-13.500
-6.500
-1.500
6.500
13.500

M_∞CH

.942

P_∞

12.280

PARAMETRIC VALUES

12.280

P_∞

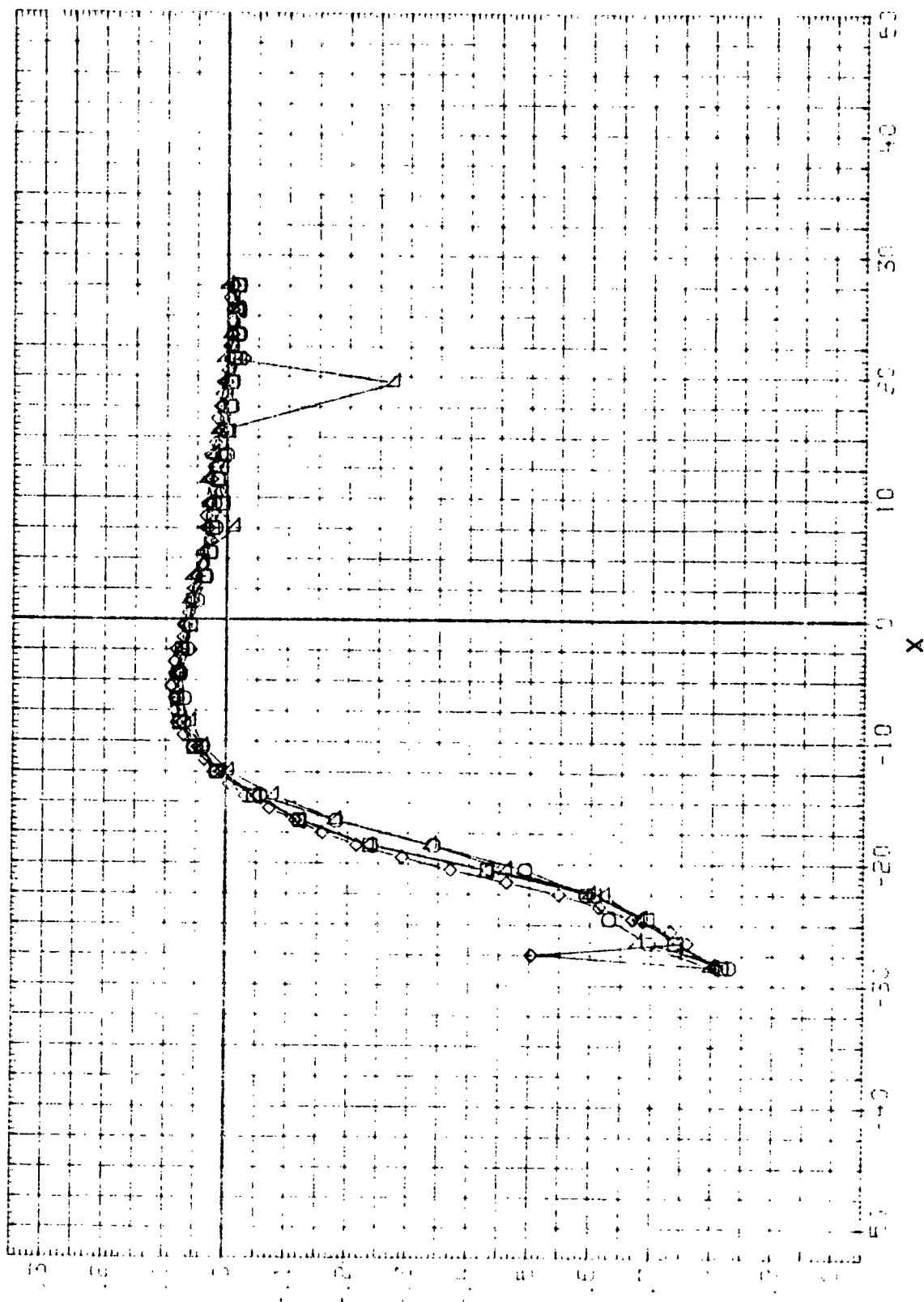


FIG. 22 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP11) AMES 11-97-010 OS8A.B SF1 + PA3 + BLB

SYMBOL	Y	PT	MACH
○	-3.500	12.280	.981
□	-6.500		
◇	-7.500		
△	6.500		
▽	13.500		

PARAMETRIC VALUES
PT 12.280

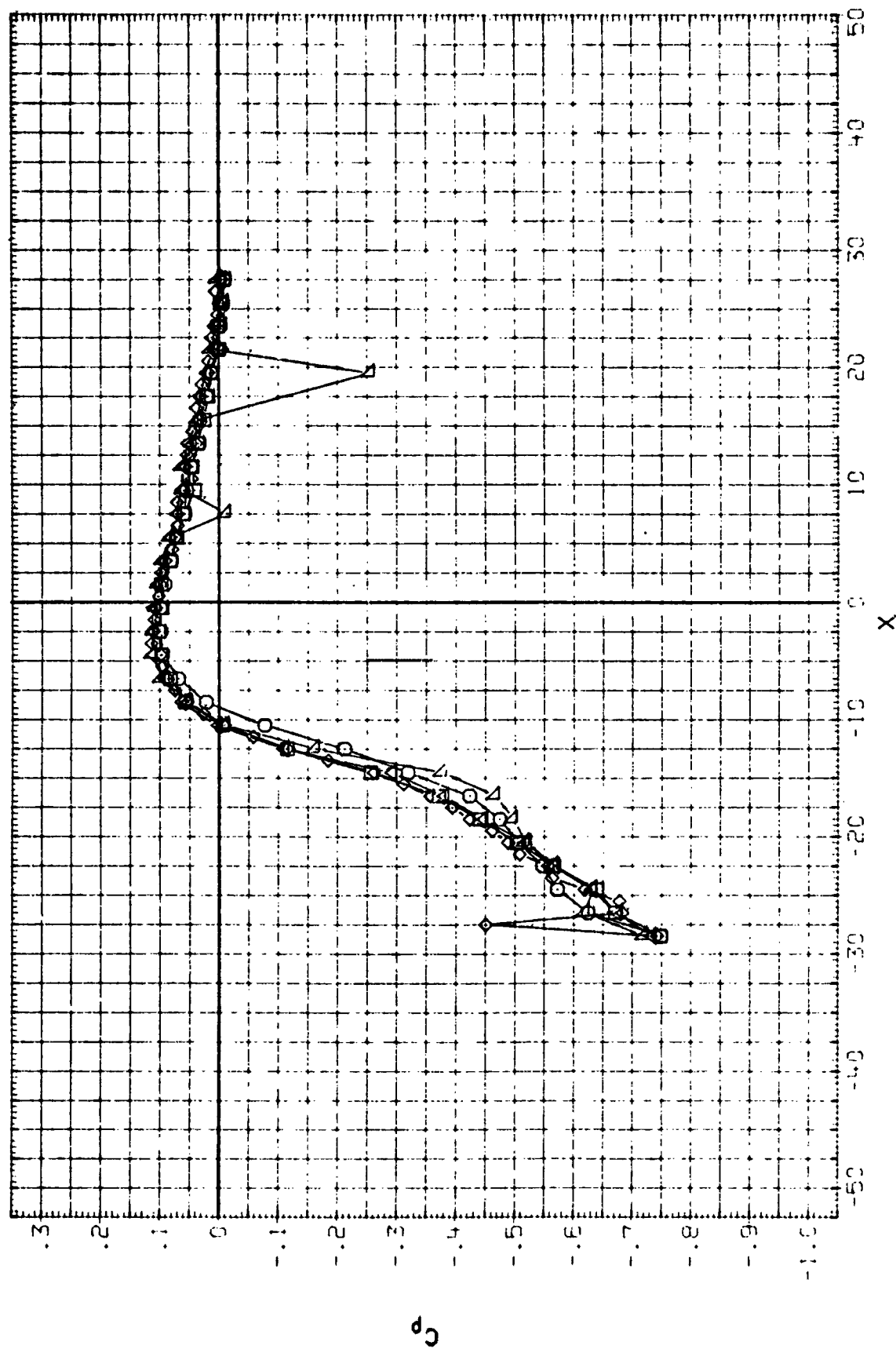


FIG. 22 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP11) AMES 11-97-010 OS8A.B SF1 + PA3 + BLB

PARAMETRIC VALUES
12.280

PT

12.280
1.020

13.500
6.500
500
6.500
13.500

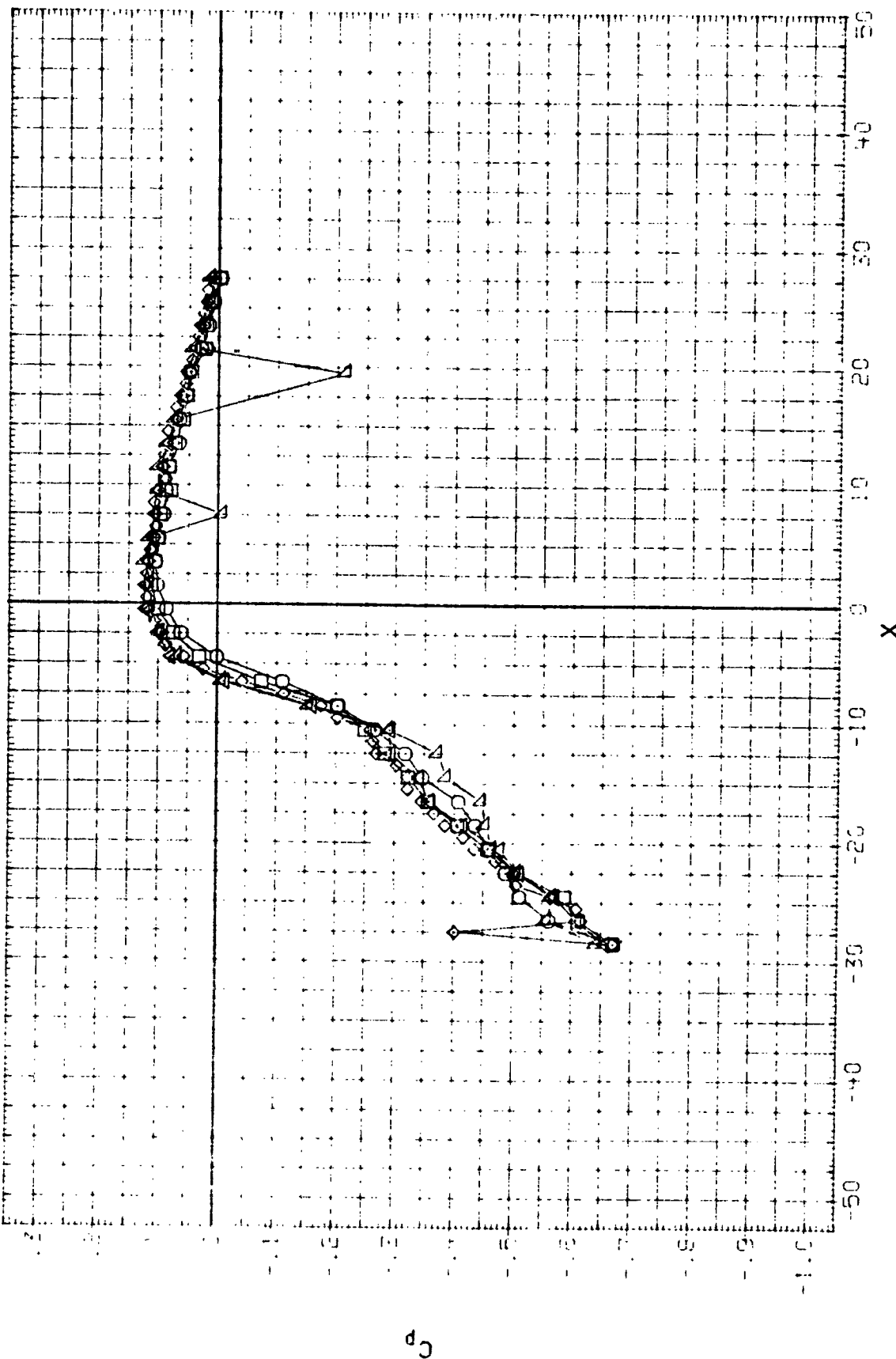


FIG. 22 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP12) AMES 11-97-010 OS8A,B SF1 + PA3 + BLB

PARAMETRIC VALUES
PT 12.280

PT 12.280
MACH .980

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

□ □ ◇ △

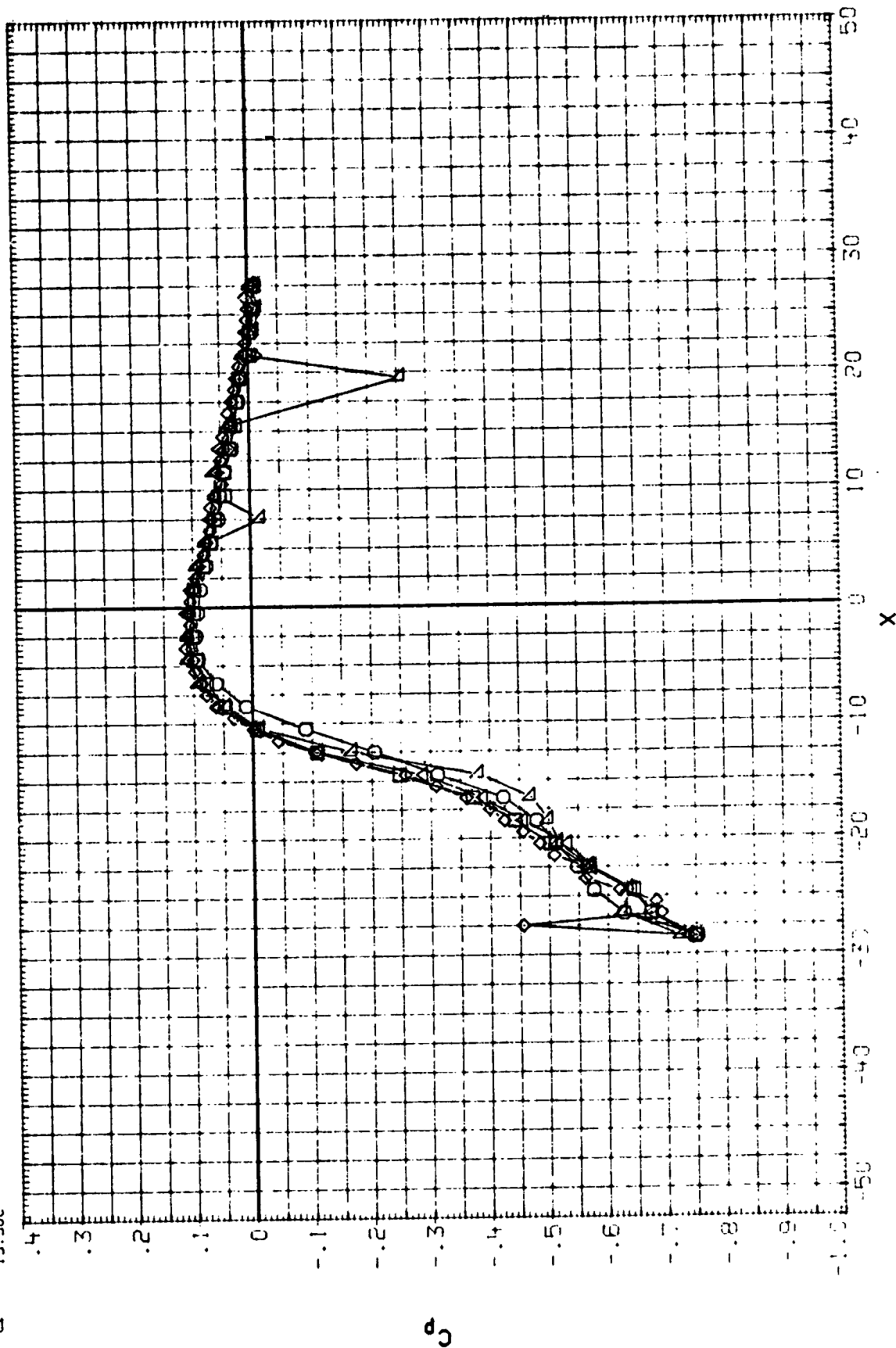


FIG. 22 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP13) AMES 11-97-010 0S8A.B SF1 + PAI

SYMBOL Y
 13.500
 6.500
 1.500
 6.500
 13.500

PT

PARAMETRIC VALUES
 12.280

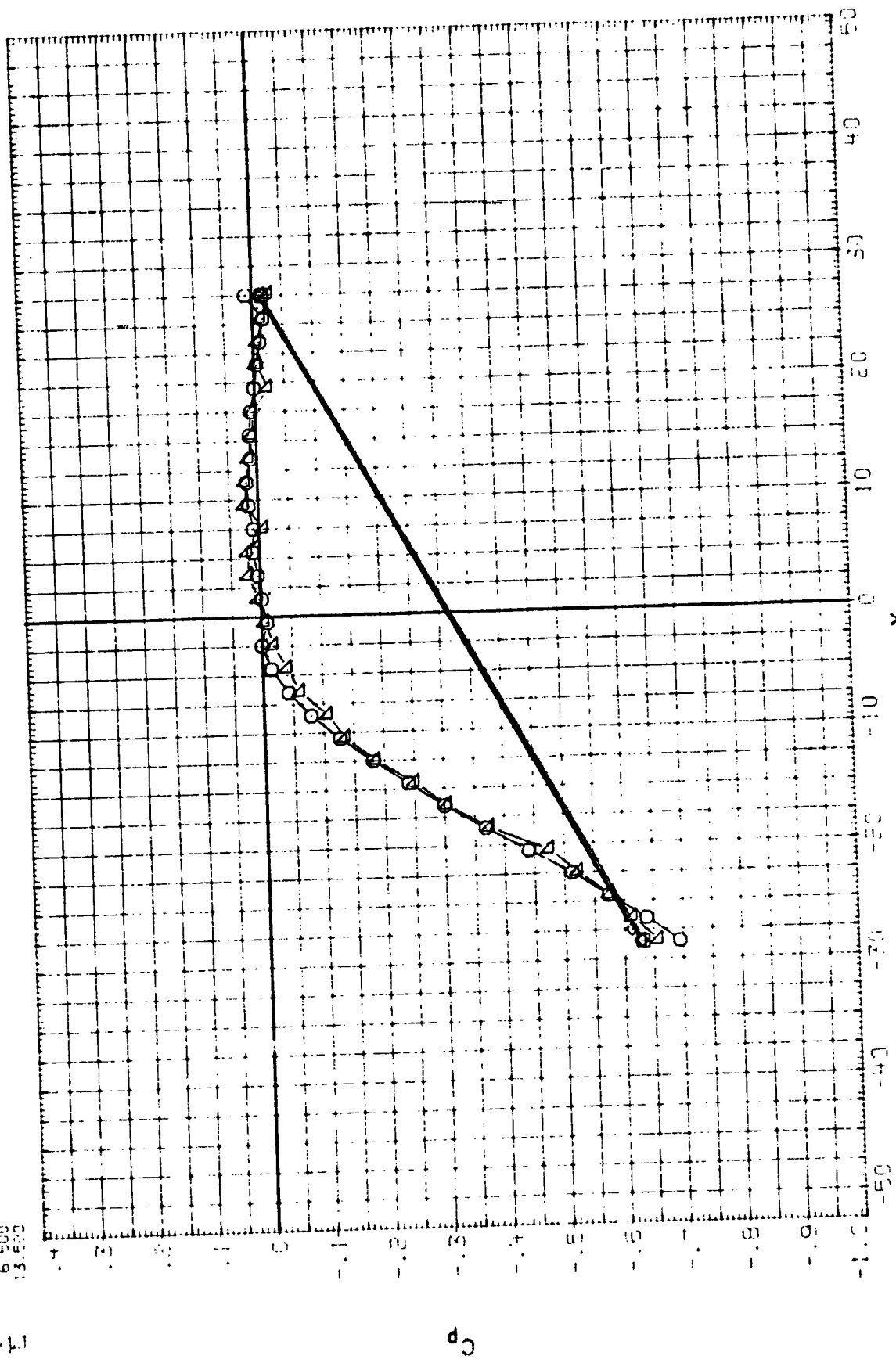


FIG. 23 STATIC SURFACE PRESSURES - ELASTIC PANEL - EXPANSION SHOCK FIXTURE
 PAGE 112

(REXP14) AMES 11-97-010 OS8A,B SF1 + PA1
 SYMBOL Y PT MACH
 -13.500
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 PT 19.650

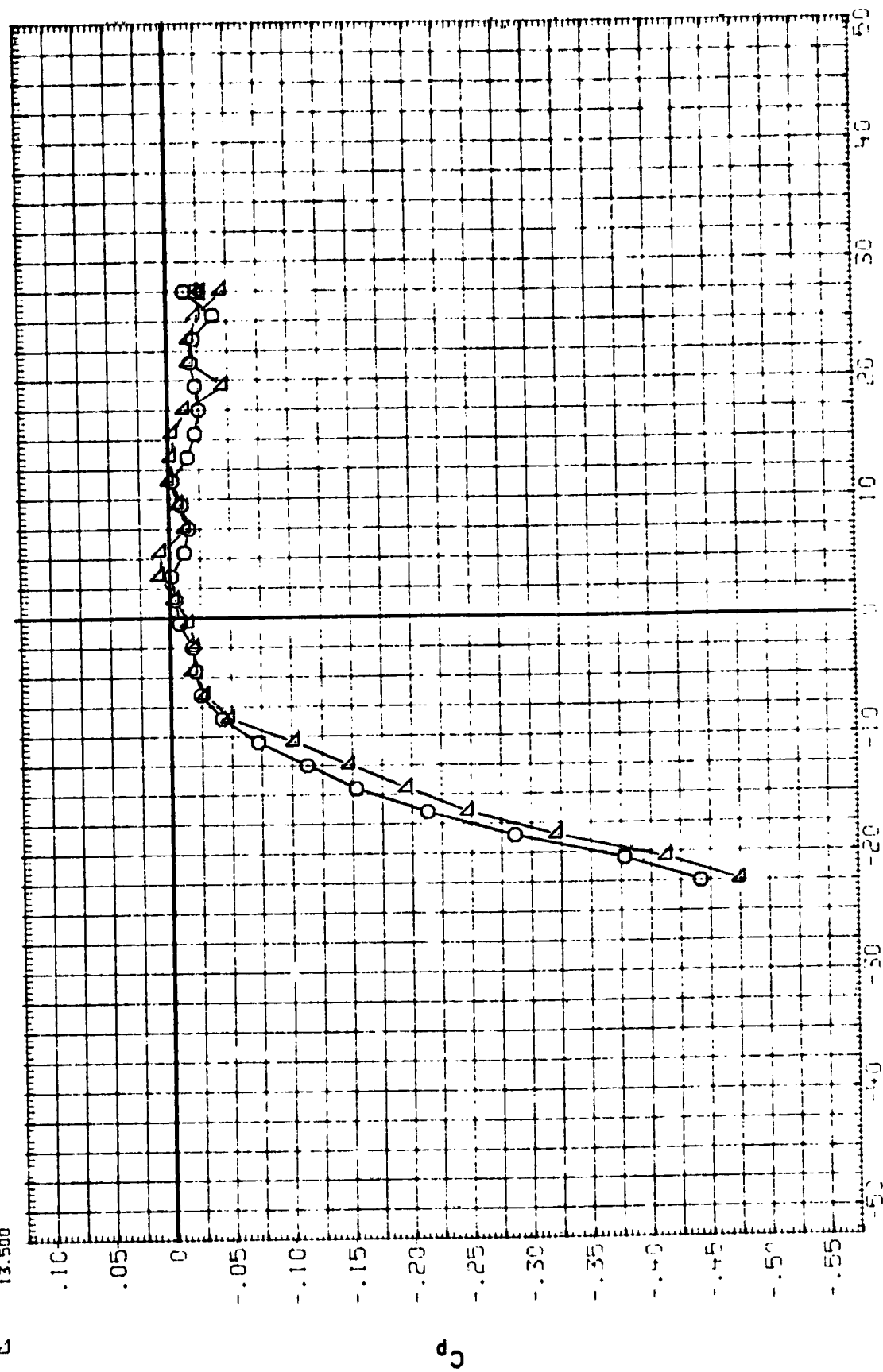


FIG. 23 STATIC SURFACE PRESSURES - ELASTIC PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

PARAMETRIC VALUES

PT 12.280

MACH

.702

PT

12.270

Y

-13.500

-6.500

6.500

13.500

SYMBOL

□

◇

△

▽

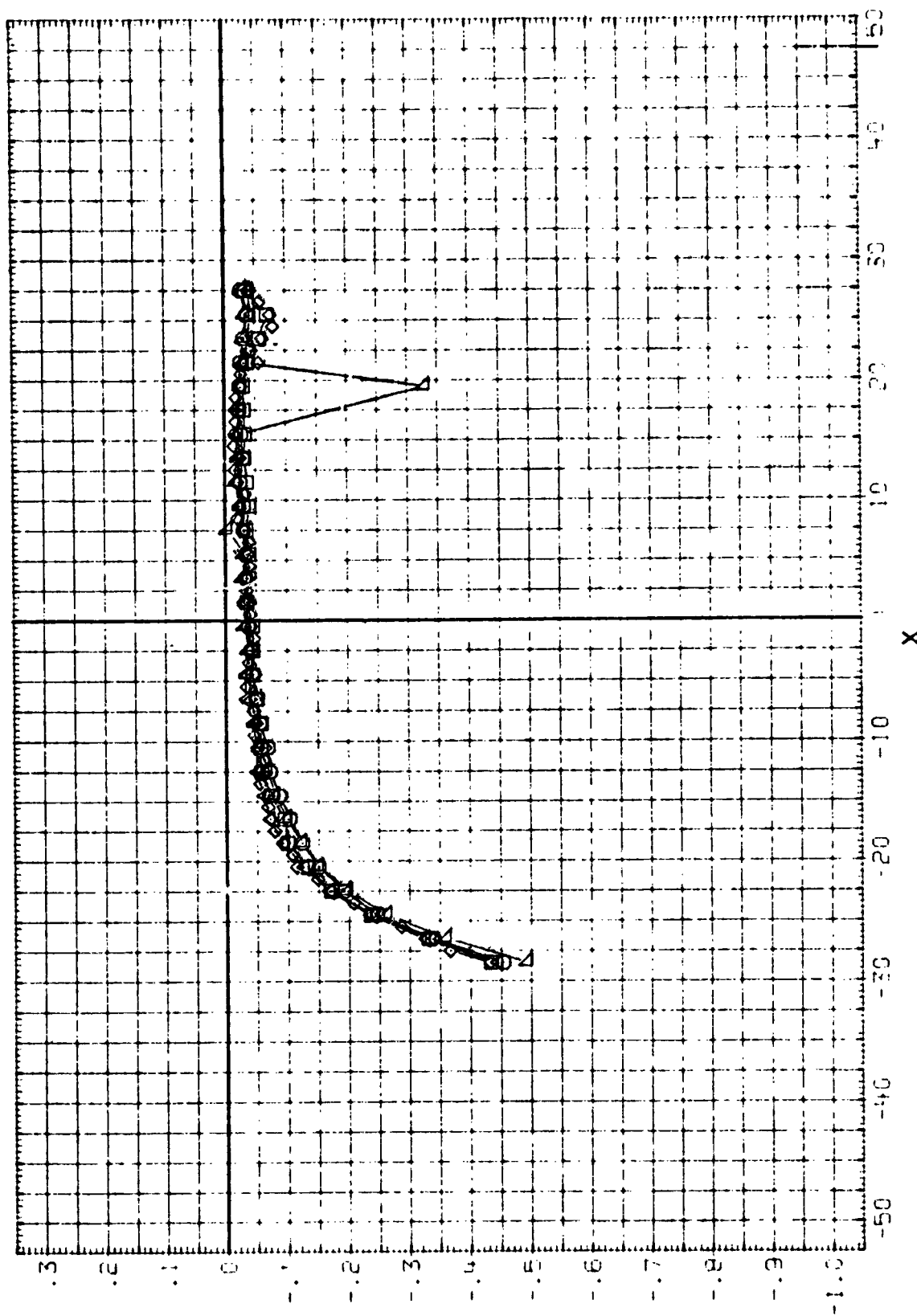


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT 12.260
 MACH .751

PARAMETRIC VALUES
 PT 12.260

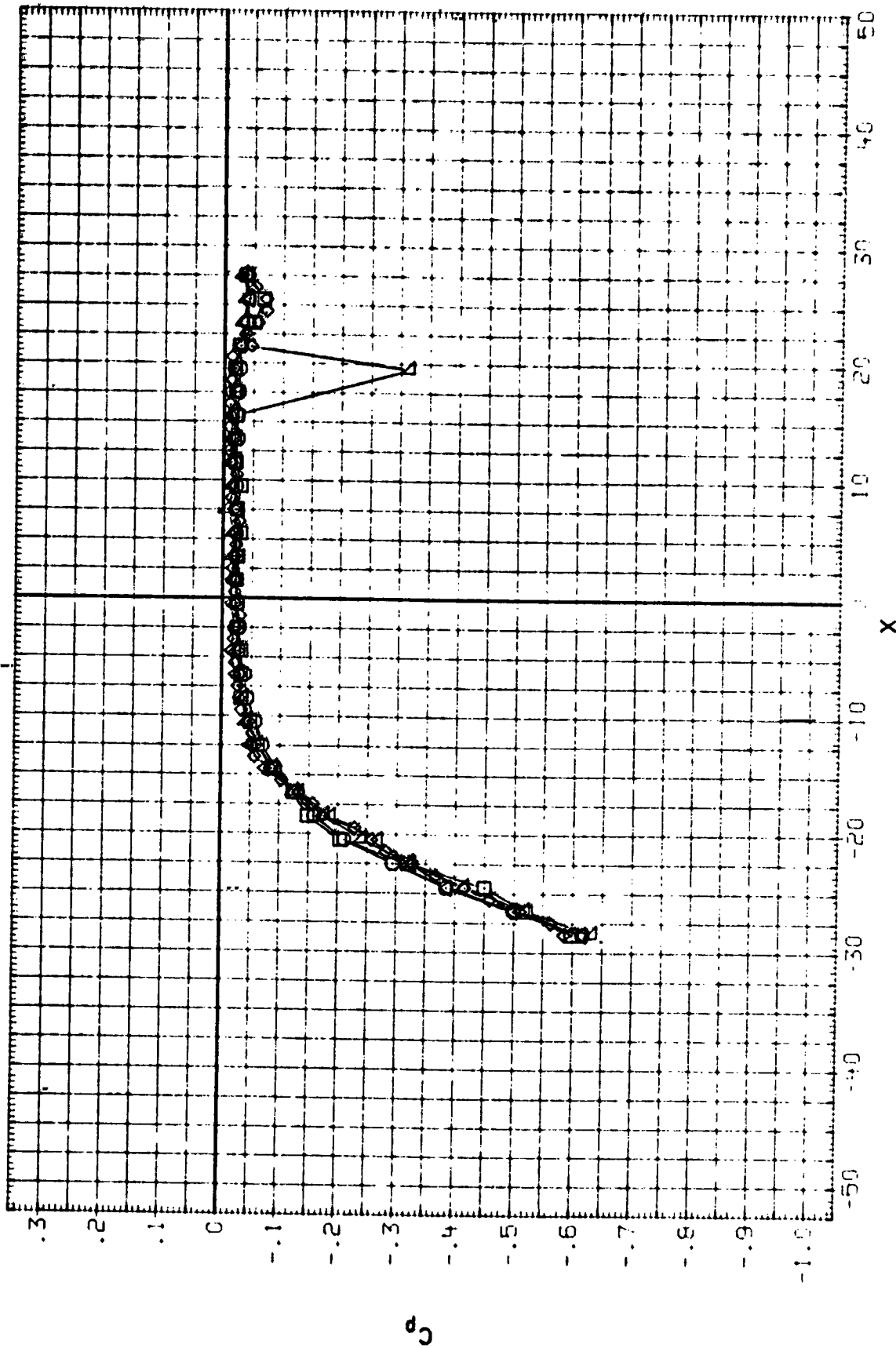


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 058A.B SF1 + PA3 + BRA

PARAMETRIC VALUES

PT 12.280

PT

MACH .799

PT 12.260

SYMBOL
-13.500
-6.500
-500
6.500
13.500

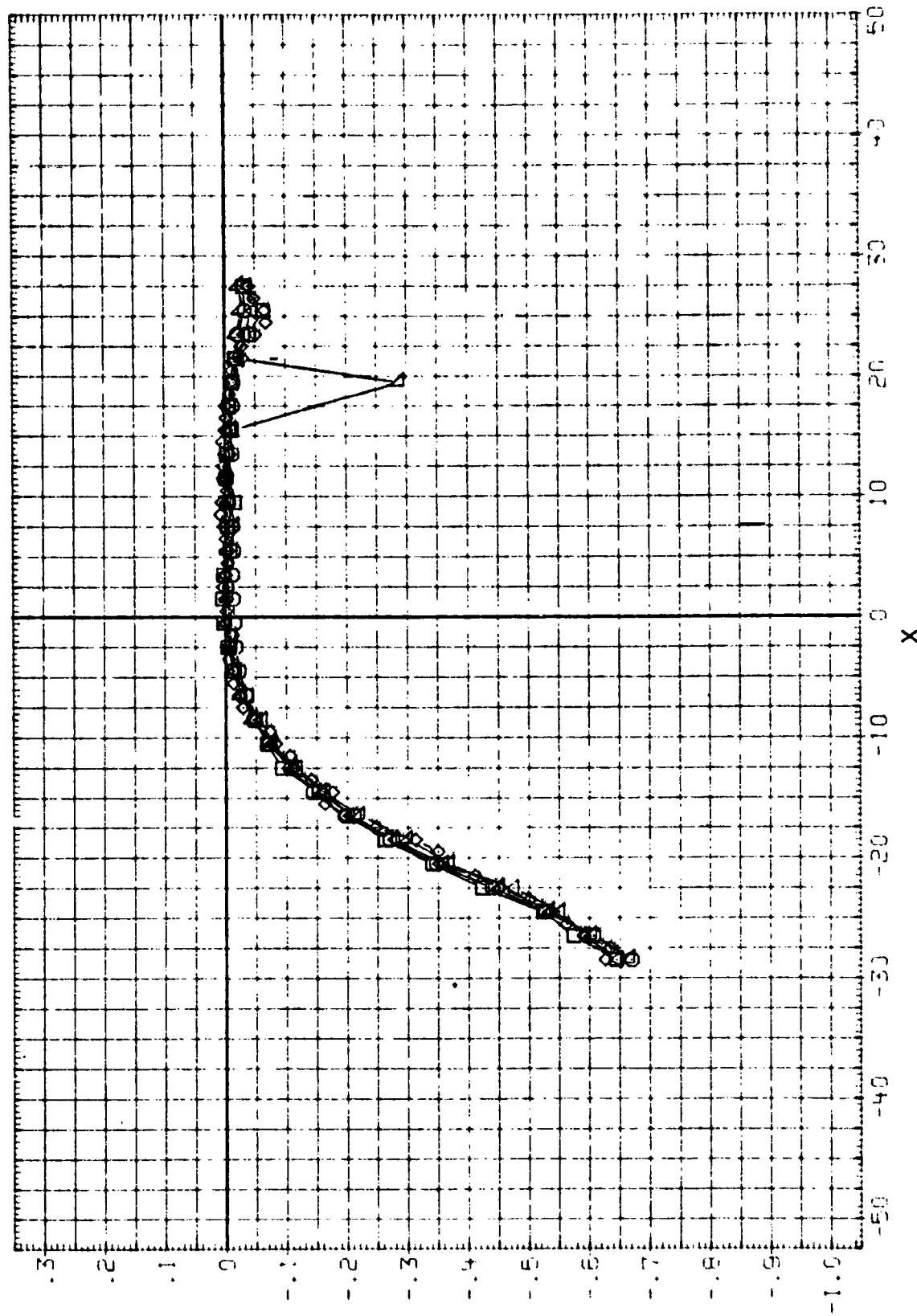


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT 12.260
 MACH .820

PARAMETRIC VALUES
 PT 12.280

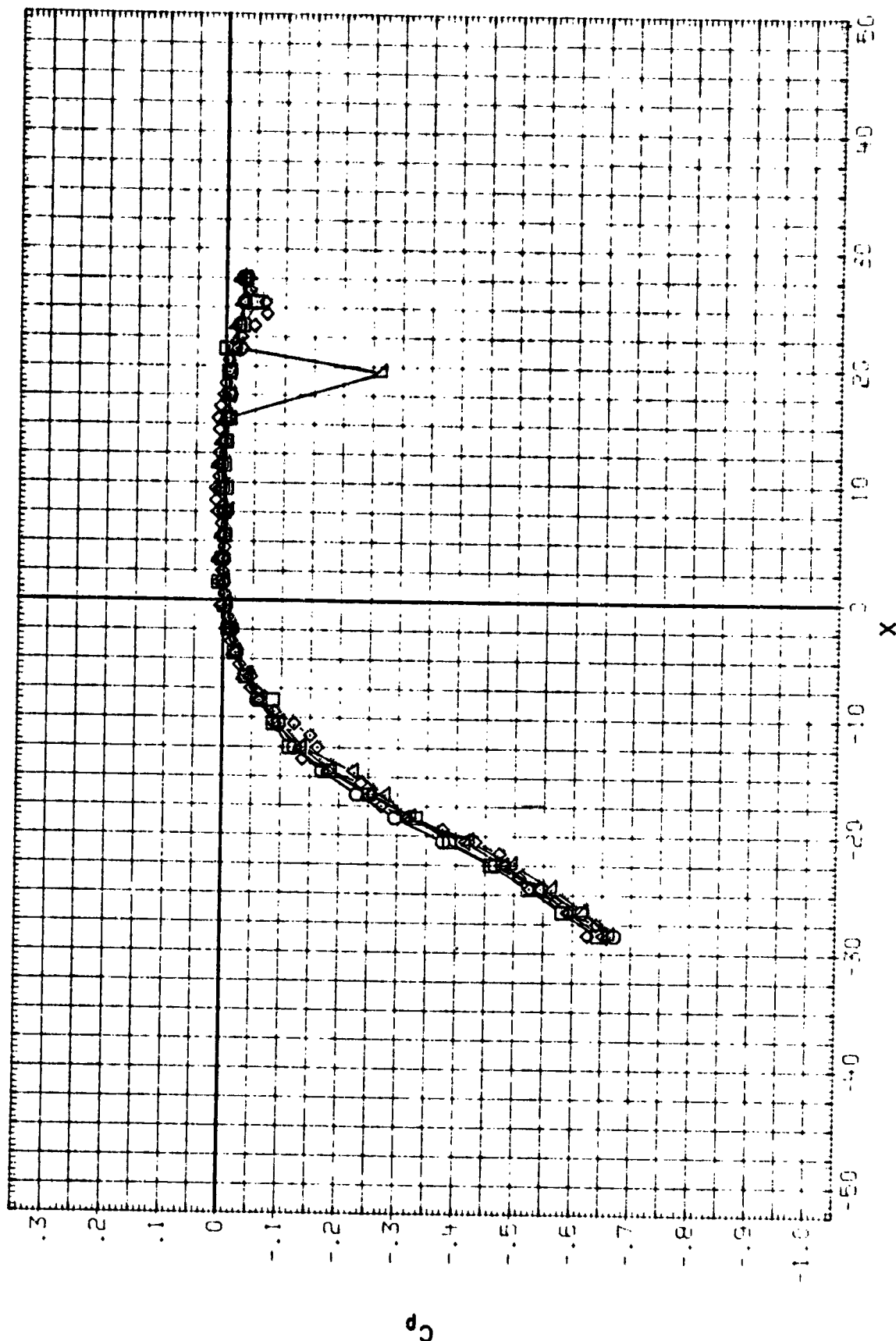


FIG. 24 STATIC SURFACE PRESSURES + DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PT MACH R*0

PARAMETRIC VALUES
 PT 12.280

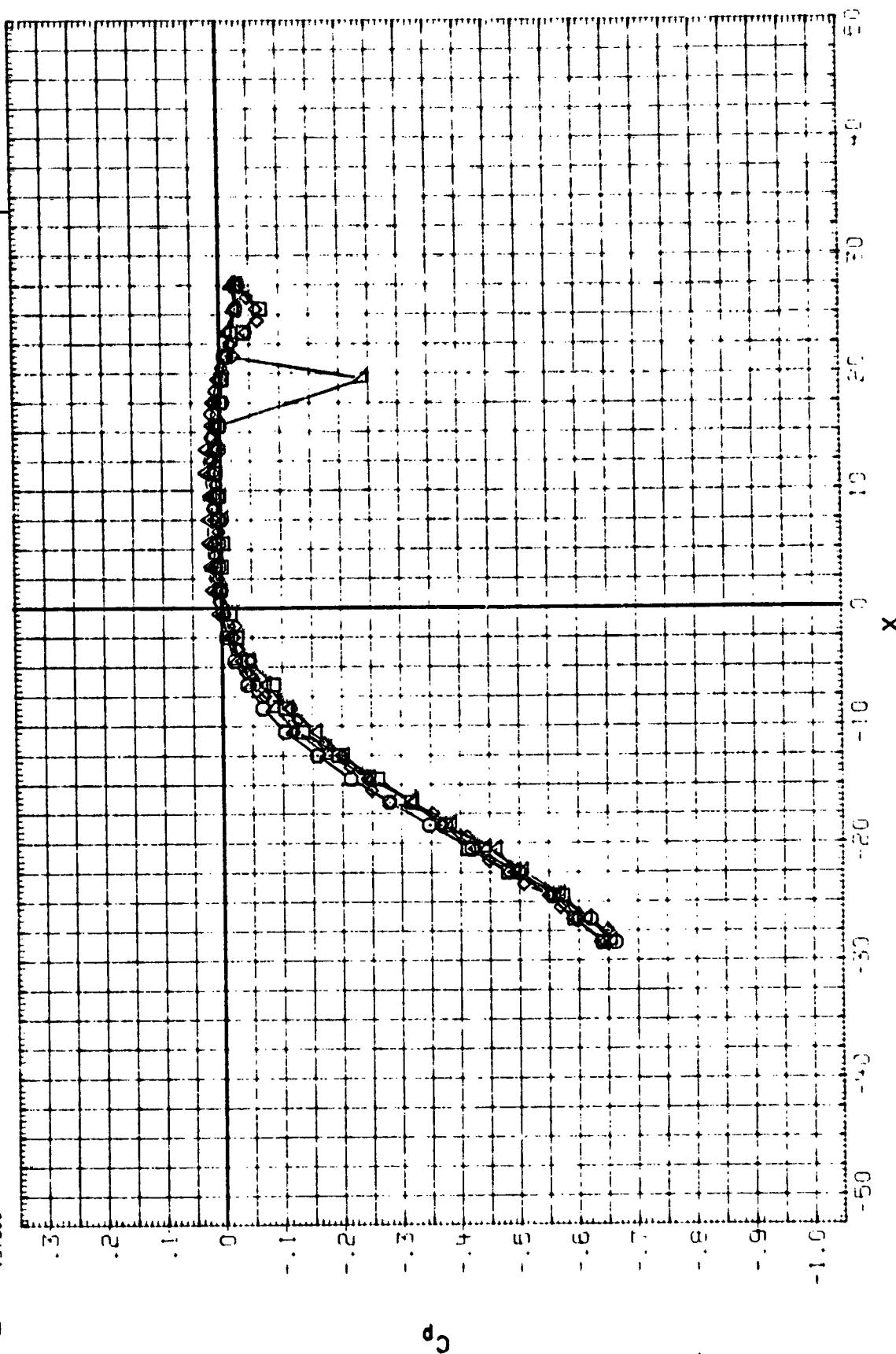


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL	Y	PT	MACH
○	-13.500	12.250	.860
□	-6.500		
△	-5.500		
◇	6.500		
◇	13.500		

PARAMETRIC VALUES
PT 12.280

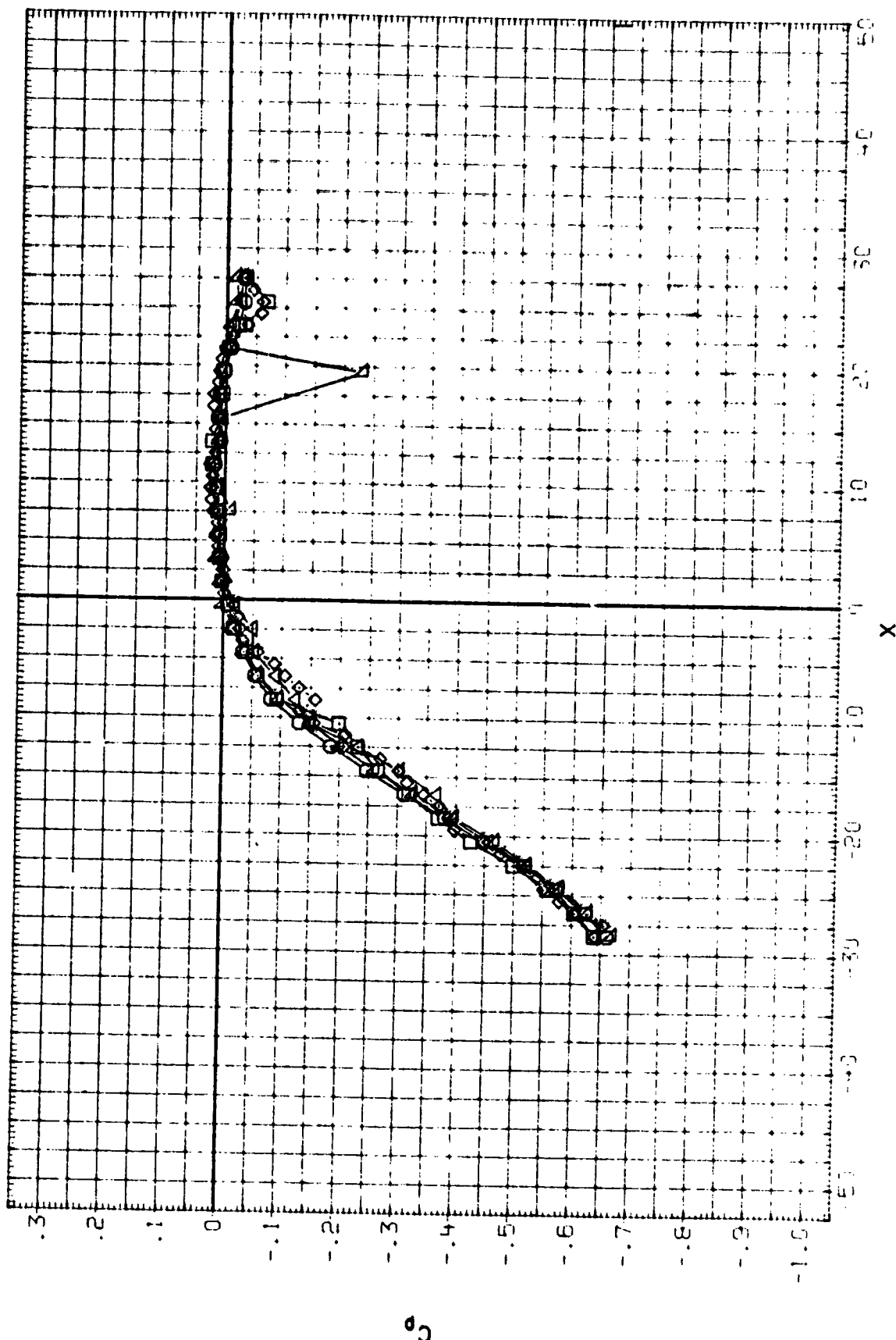


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

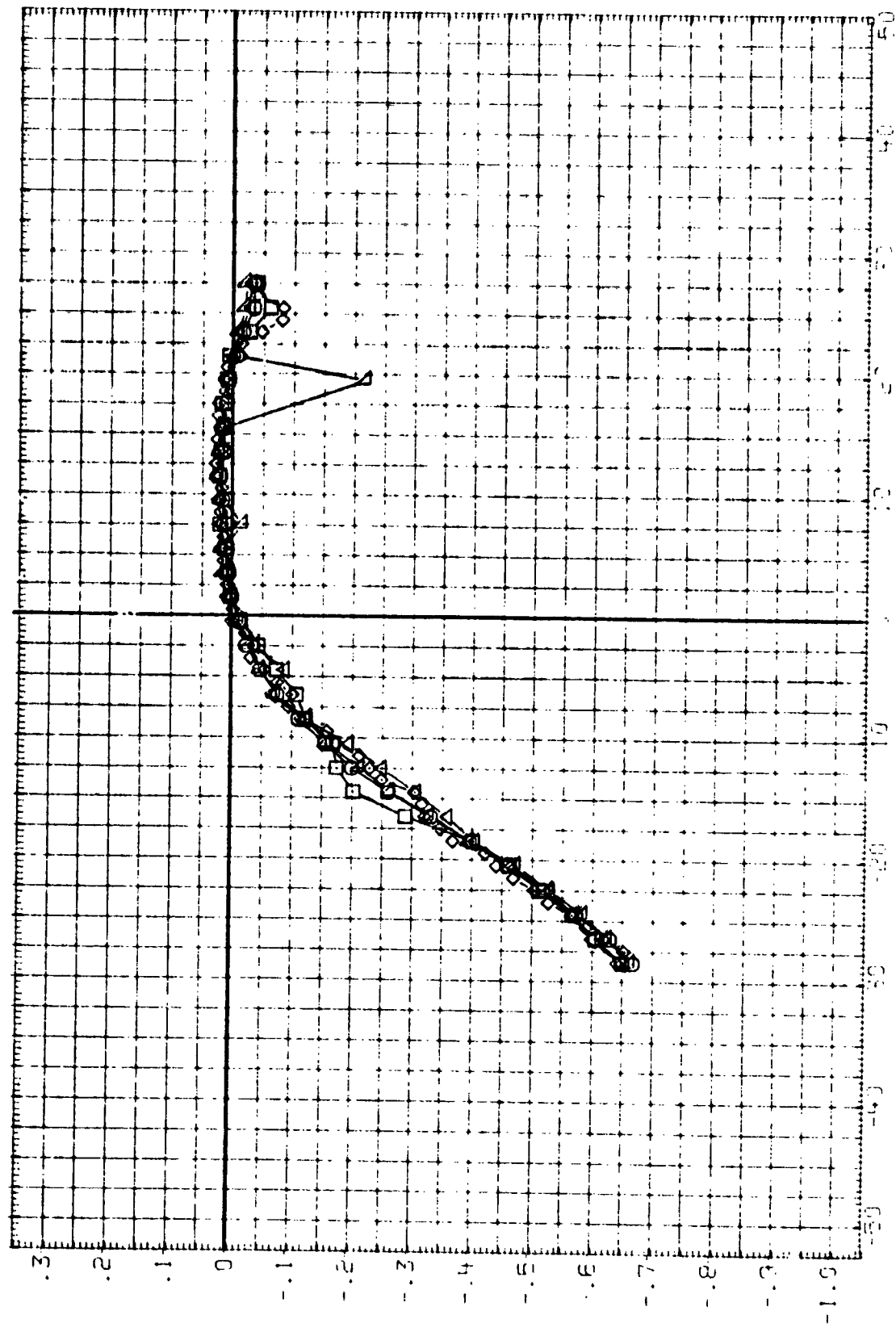
(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

PARAMETRIC VALUES
12.550

PT

MACH .980

13.500
-6.500
-5.000
6.500
13.500



X

FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y PT MACH
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

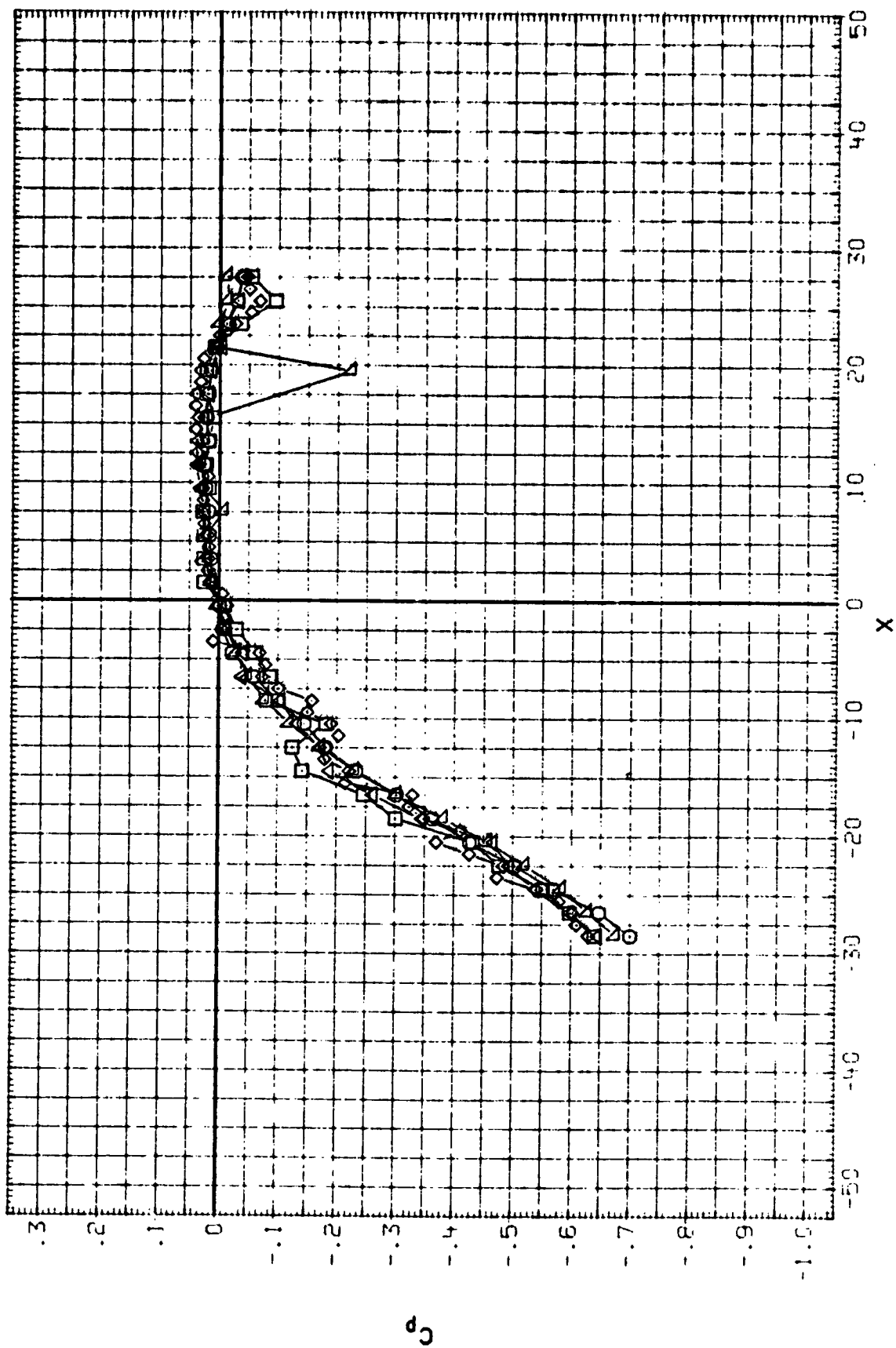


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

PARAMETRIC VALUES
12.290

PT

MACH .920

PT 12.250

SYMBOL
-13.500
-6.500
-1.500
6.500
13.500

□ □ ○ △

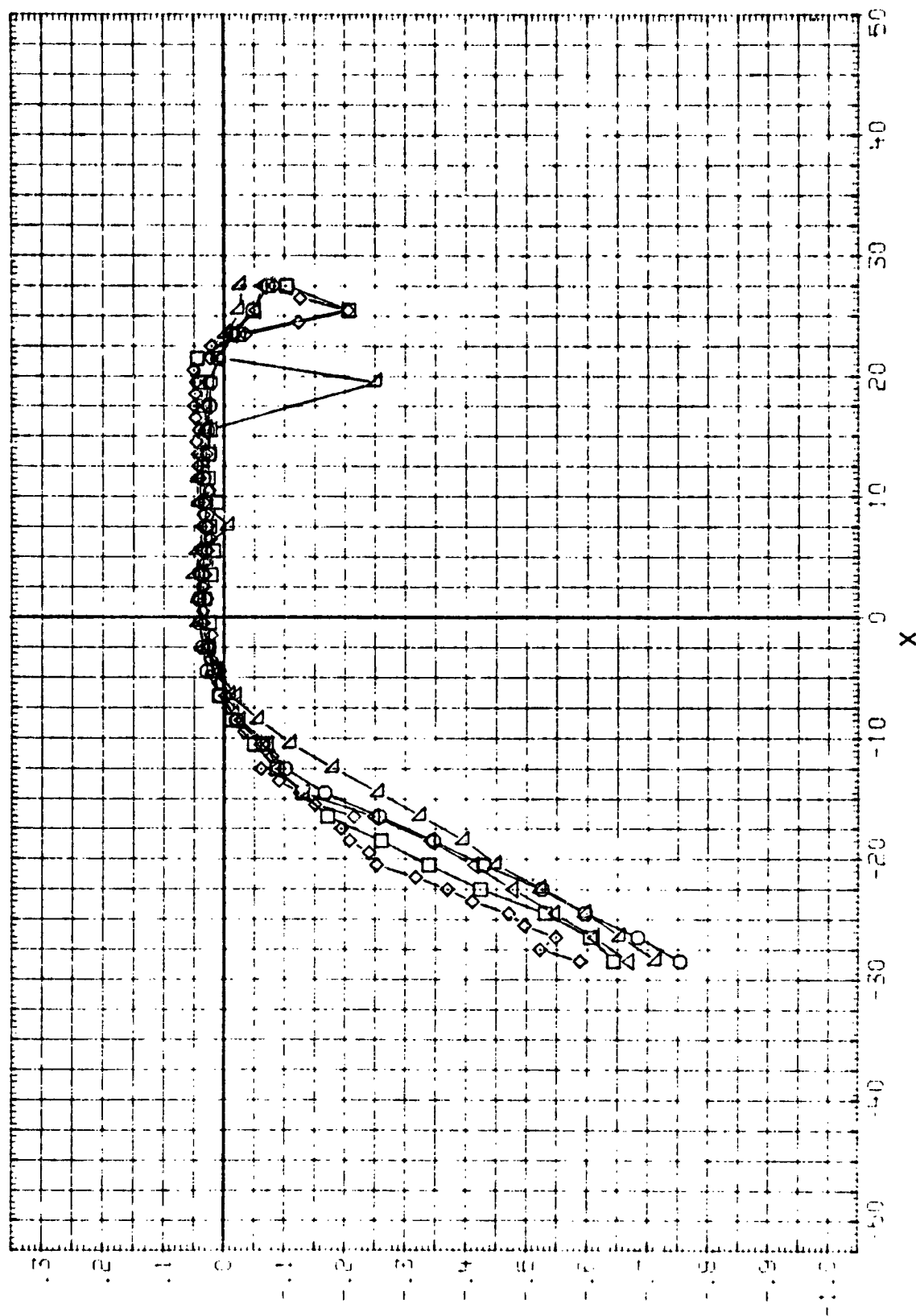


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

PARAMETRIC VALUES
PT 12.280

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

PT 12.250
-1ACH .938

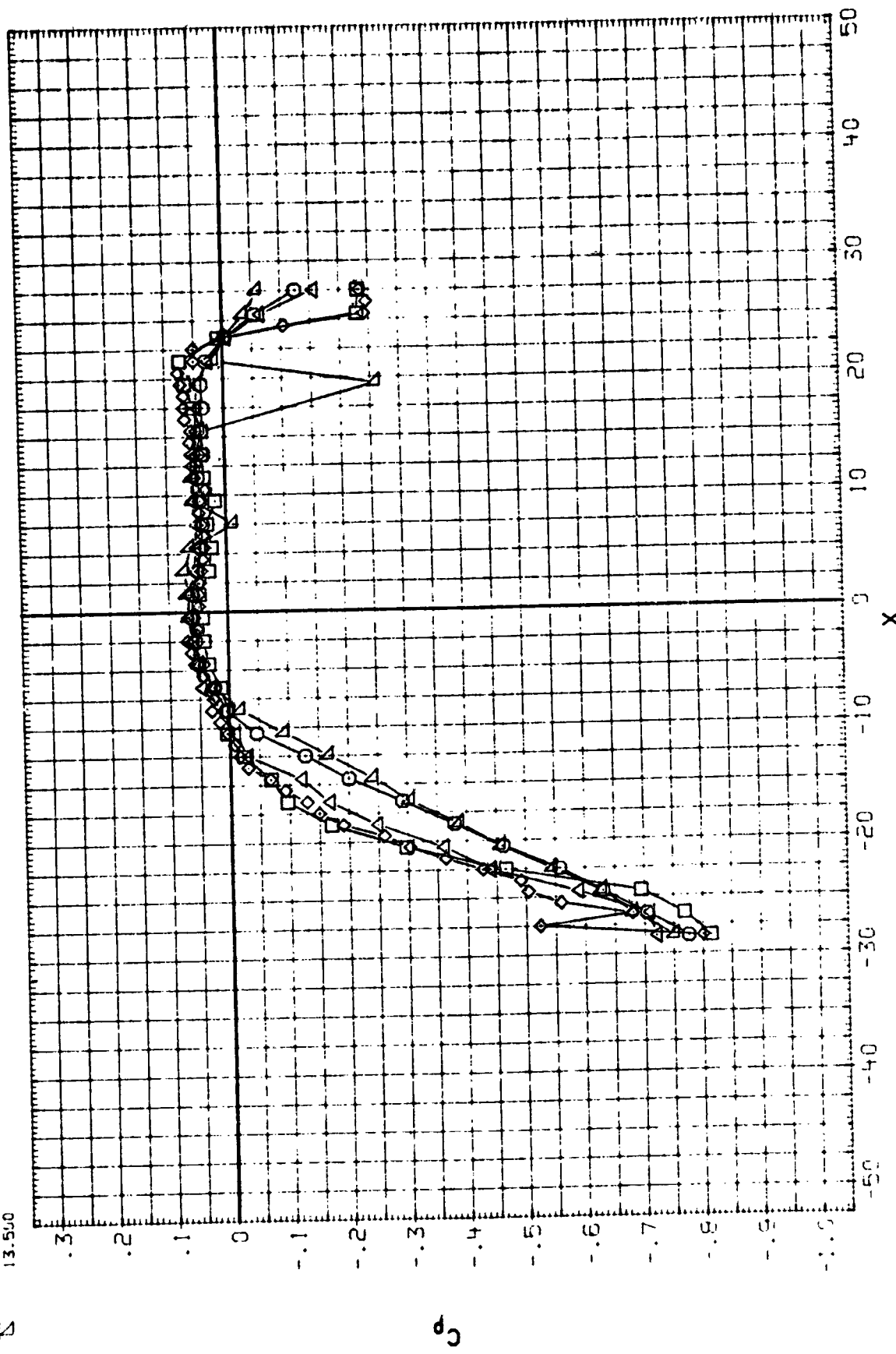


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP15) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

SYMBOL
-13.500
-6.500
-500
6.500
13.500

PT 12.250
MACH .954

PARAMETRIC VALUES
PT 12.280

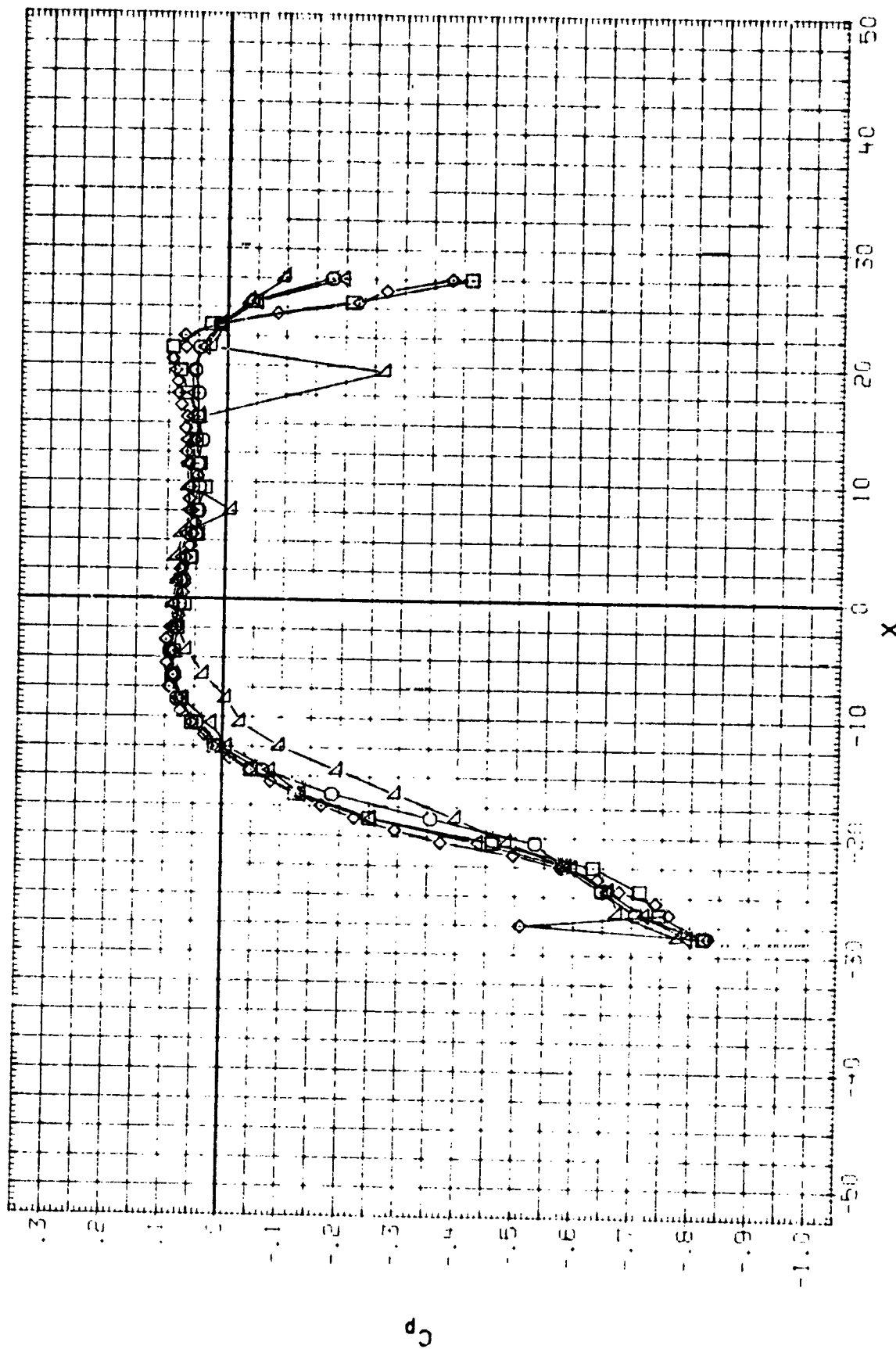


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 058A.B SF1 + PA3 + BRA

SYMBOL Y
 13.500
 -6.500
 -500
 6.500
 13.500

PT 12.270 MACH .702

PARAMETRIC VALUES
 PT 12.280

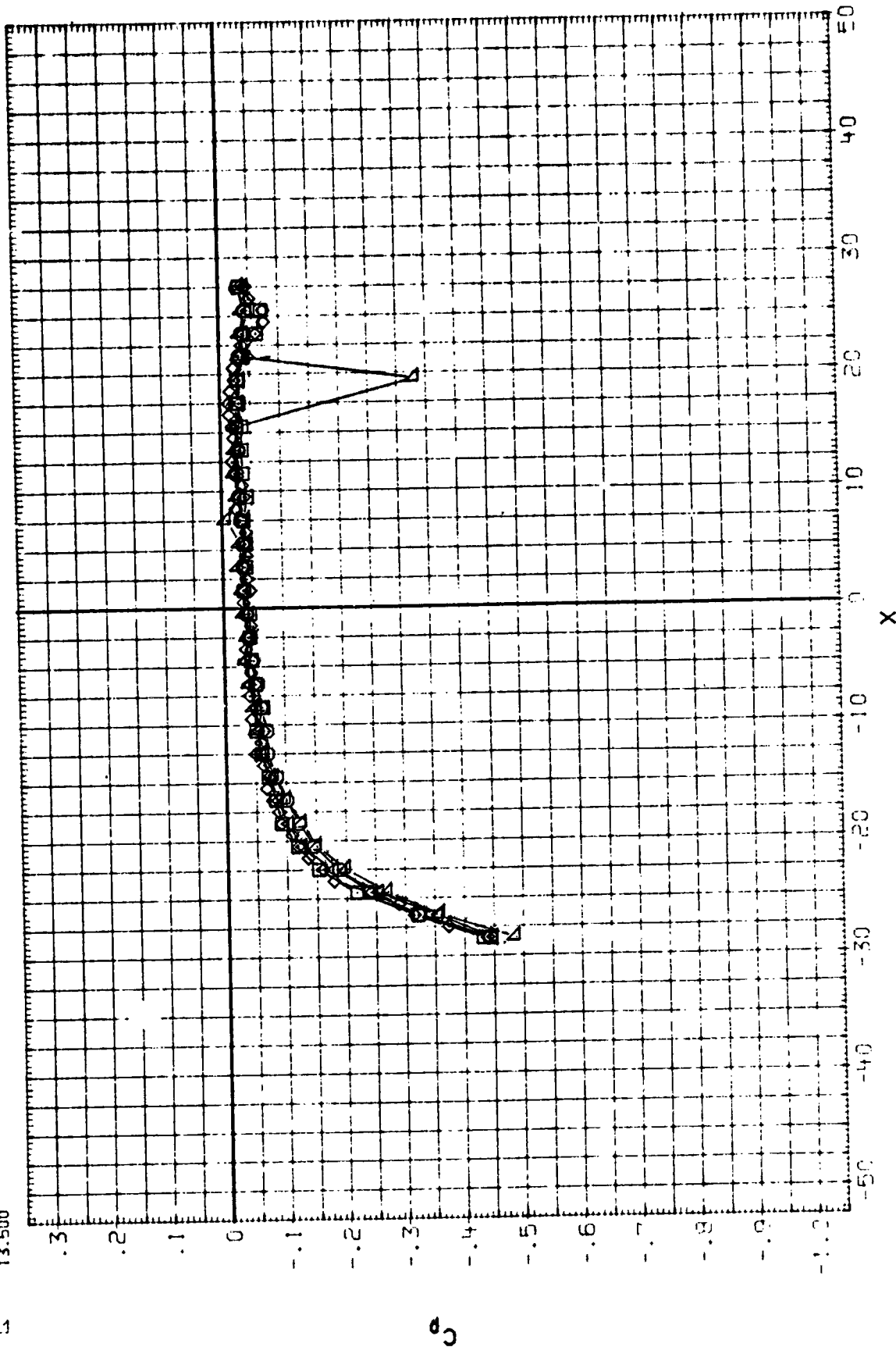


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 0S8A,B SF1 + PA3 + BRA

PARAMETRIC VALUES

PT 12.280

MACH

0.752

PT 12.270

13.500

6.500

2.500

0.500

0.500

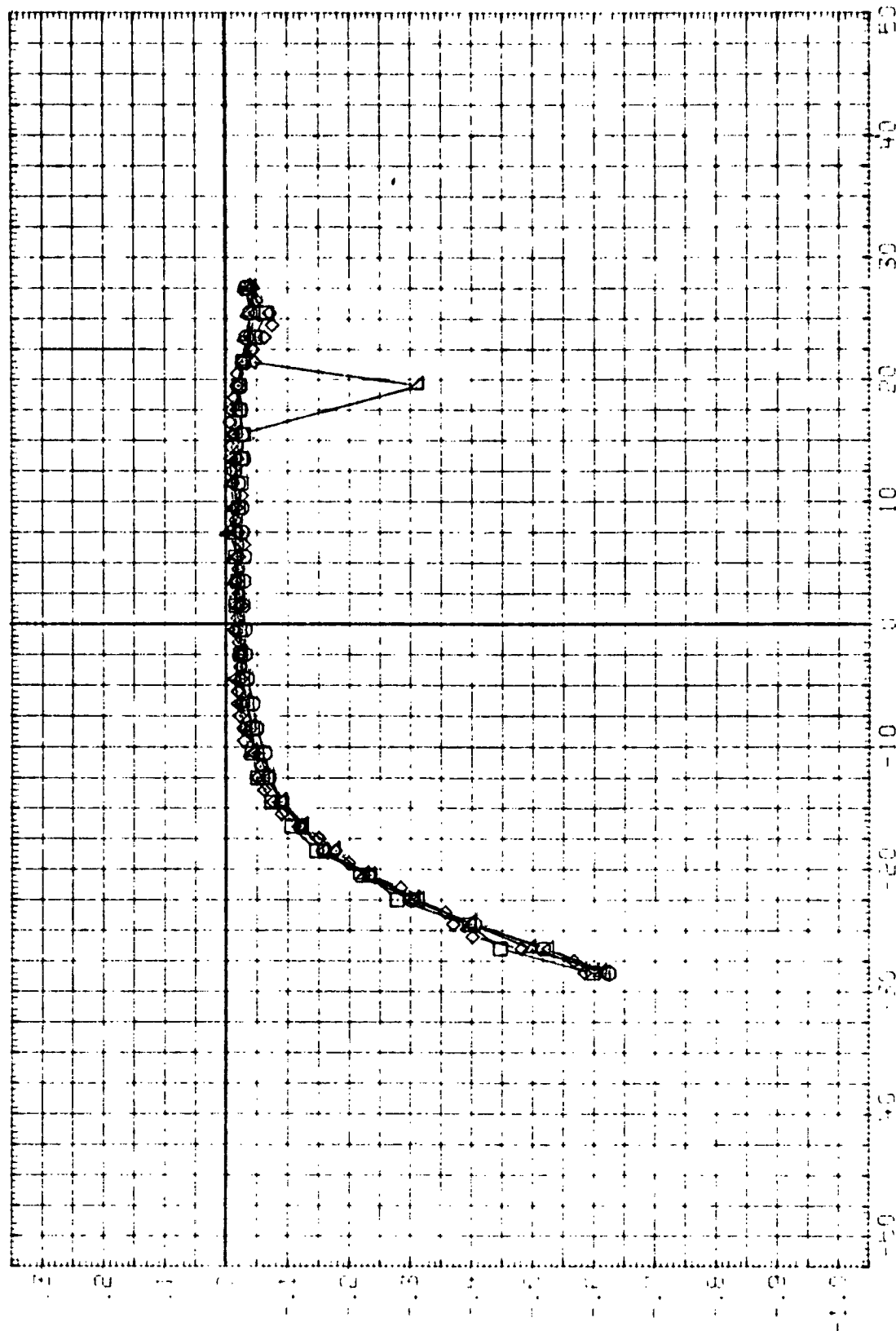


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL
3.500
6.500
1.500
6.500
3.500

PT 12.260
MACH .799

PARAMETRIC VALUES
PT 12.280

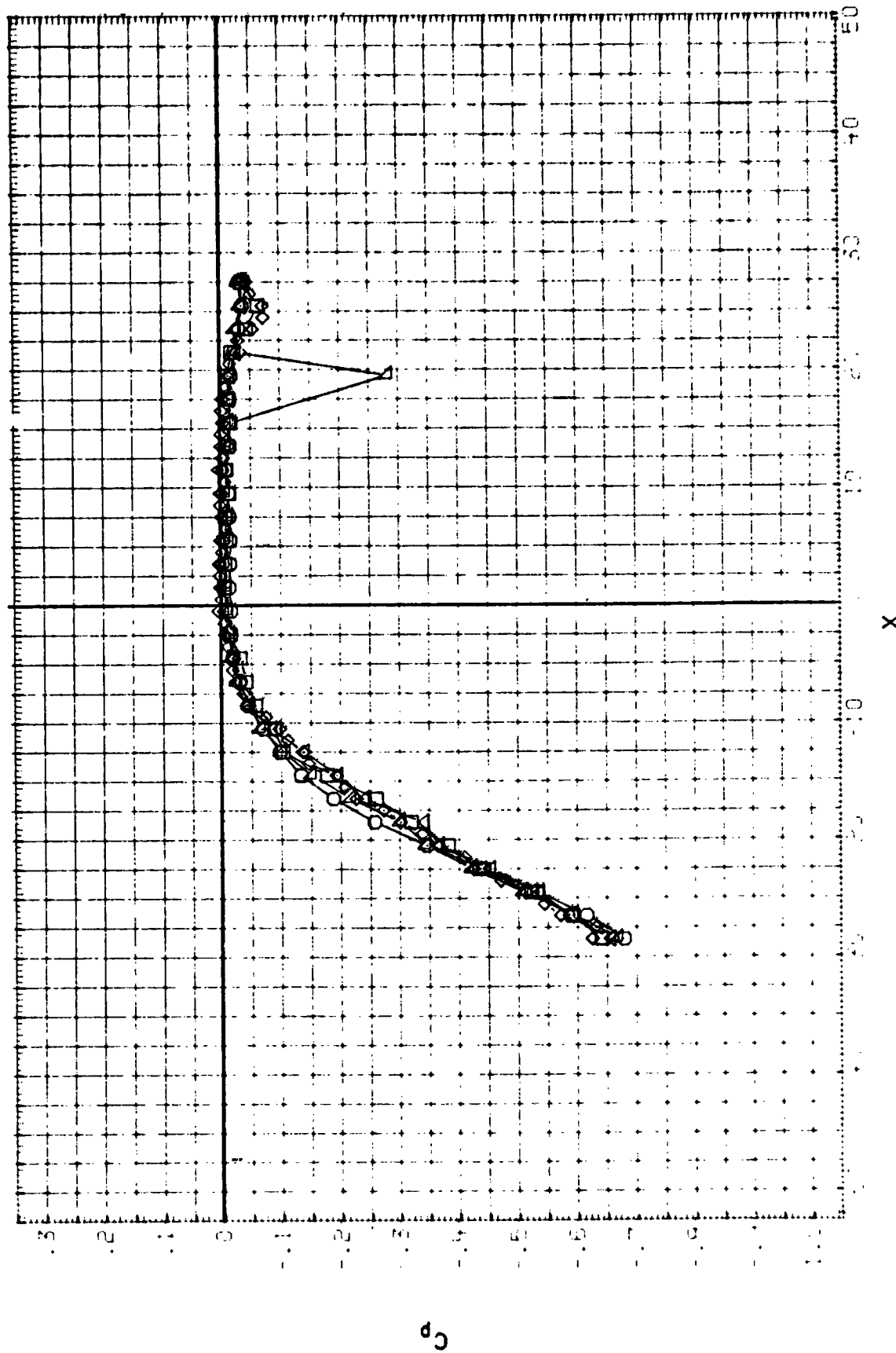


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL
-13.500
-6.500
-1.500
6.500
13.500

PT 12.250
MACH .819

PARAMETRIC VALUES
PT 12.280

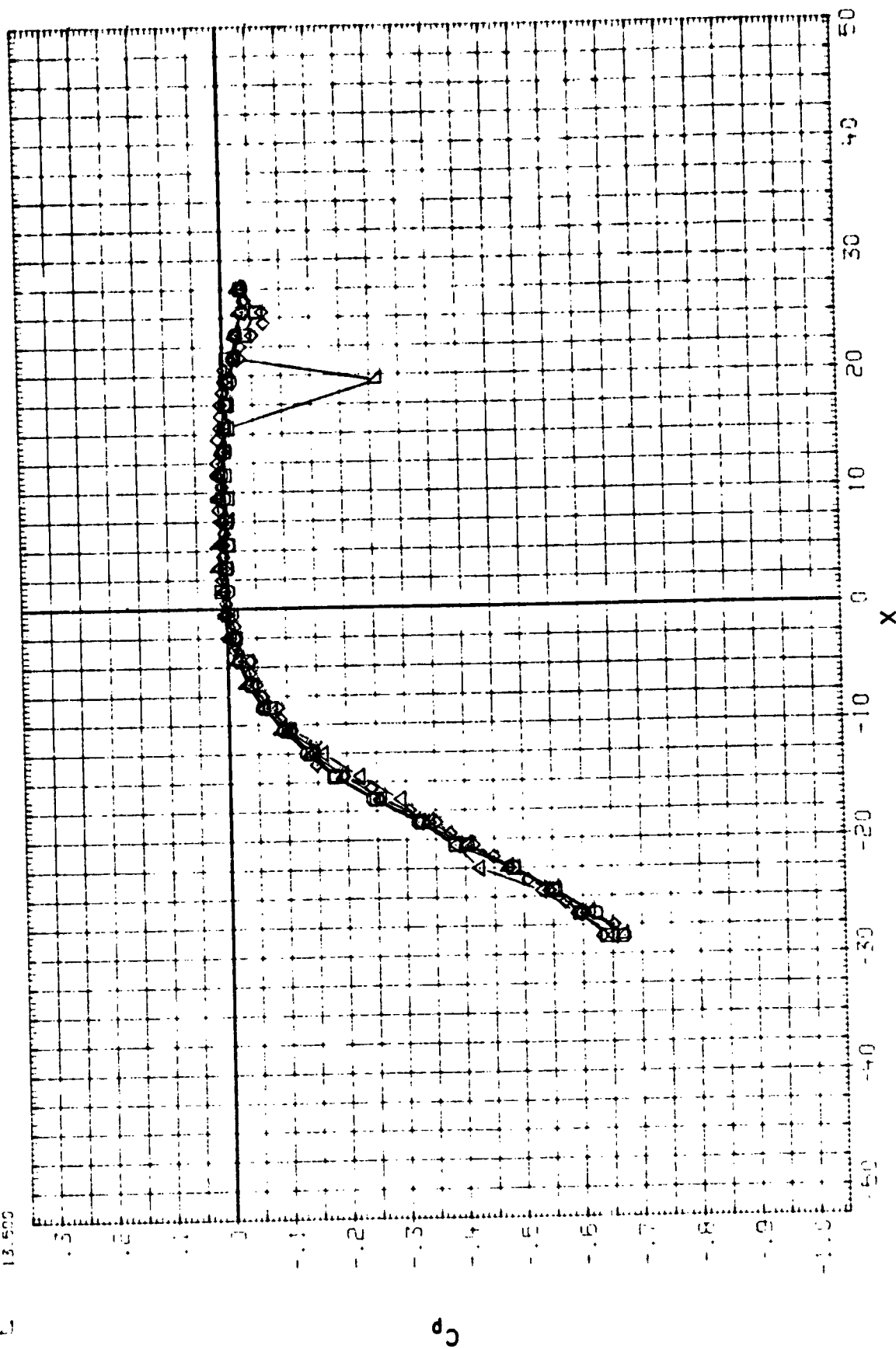


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 058A.8 SF1 + PA3 + BRA

SYMBOL
 ○ □ △ ◇

PT 12.260
 MACH .843

PARAMETRIC VALUES
 PT 12.280

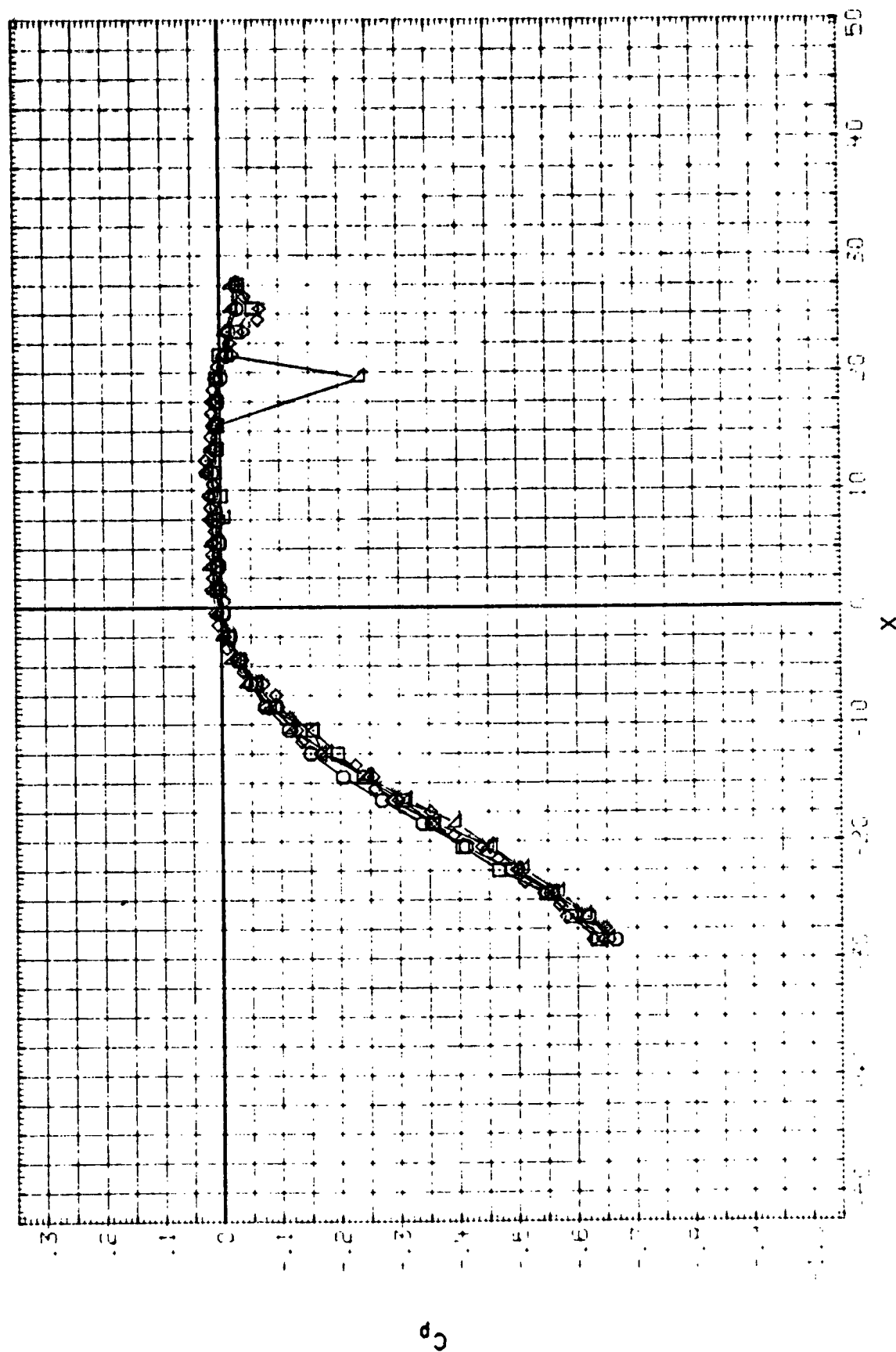


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 OS8A.8 SF1 + PA3 + BRA

PARAMETRIC VALUES

PT 12.260

PT

MACH 859

PT 12.260

PT 12.260

PT 12.260

PT 12.260

PT 12.260

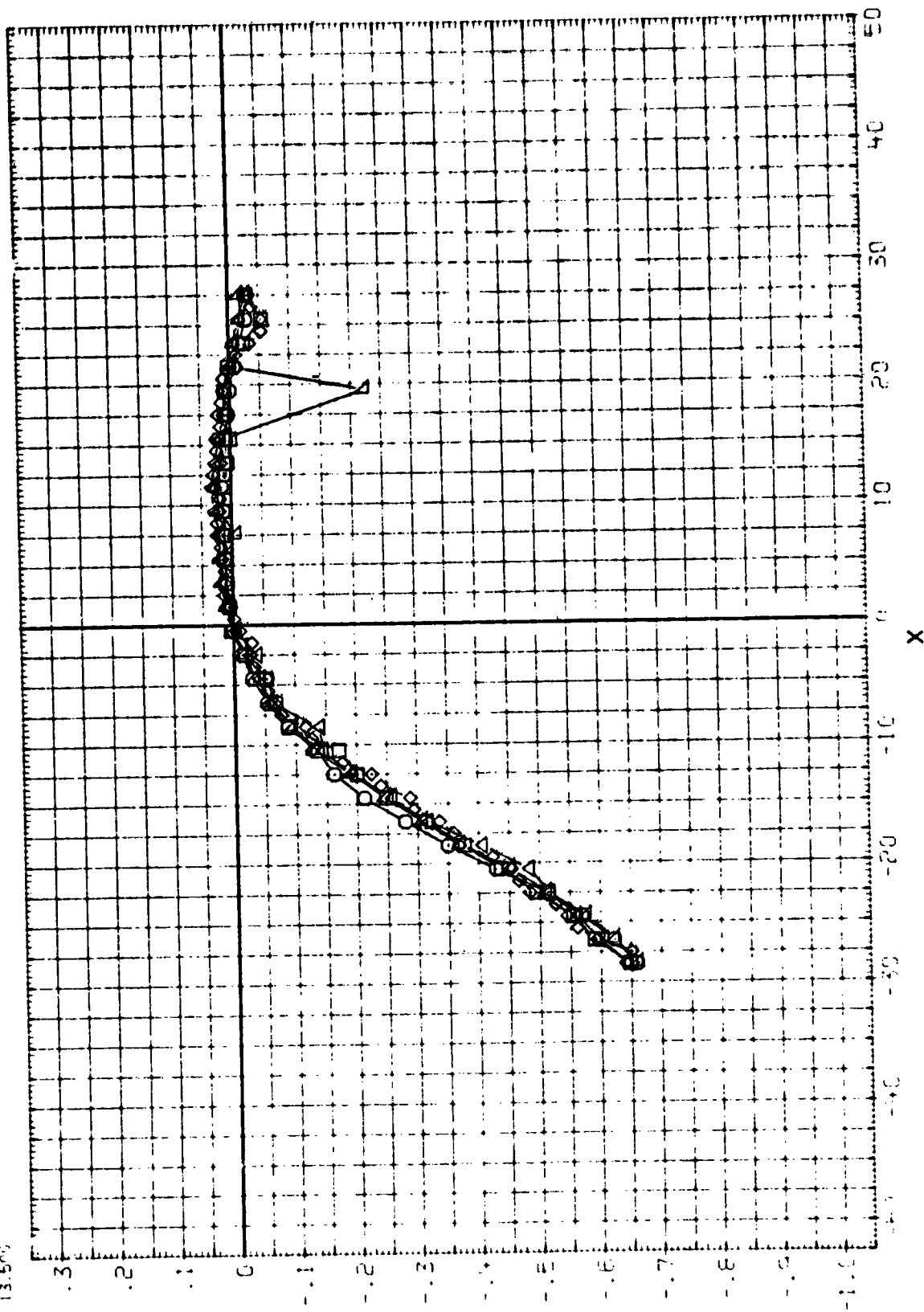


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 0S8A.B SF1 + PA3 + BRA

SYMBOL
-13.500
-6.500
-1.500
5.500
13.500

PT 12.250 MACH .890

PARAMETRIC VALUES
PT 12.280

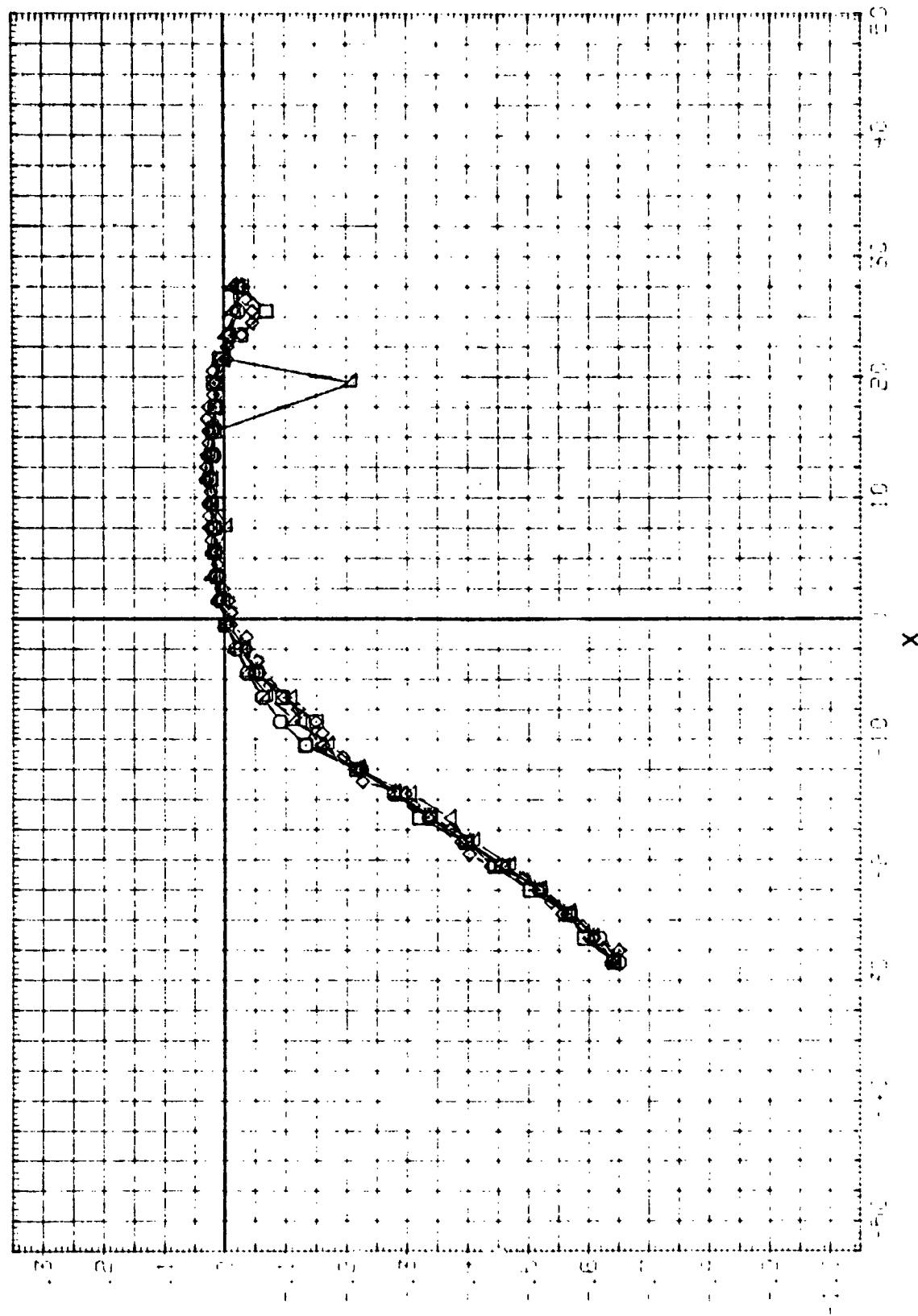


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

CS2-2.
S36747 2:613m44v4:

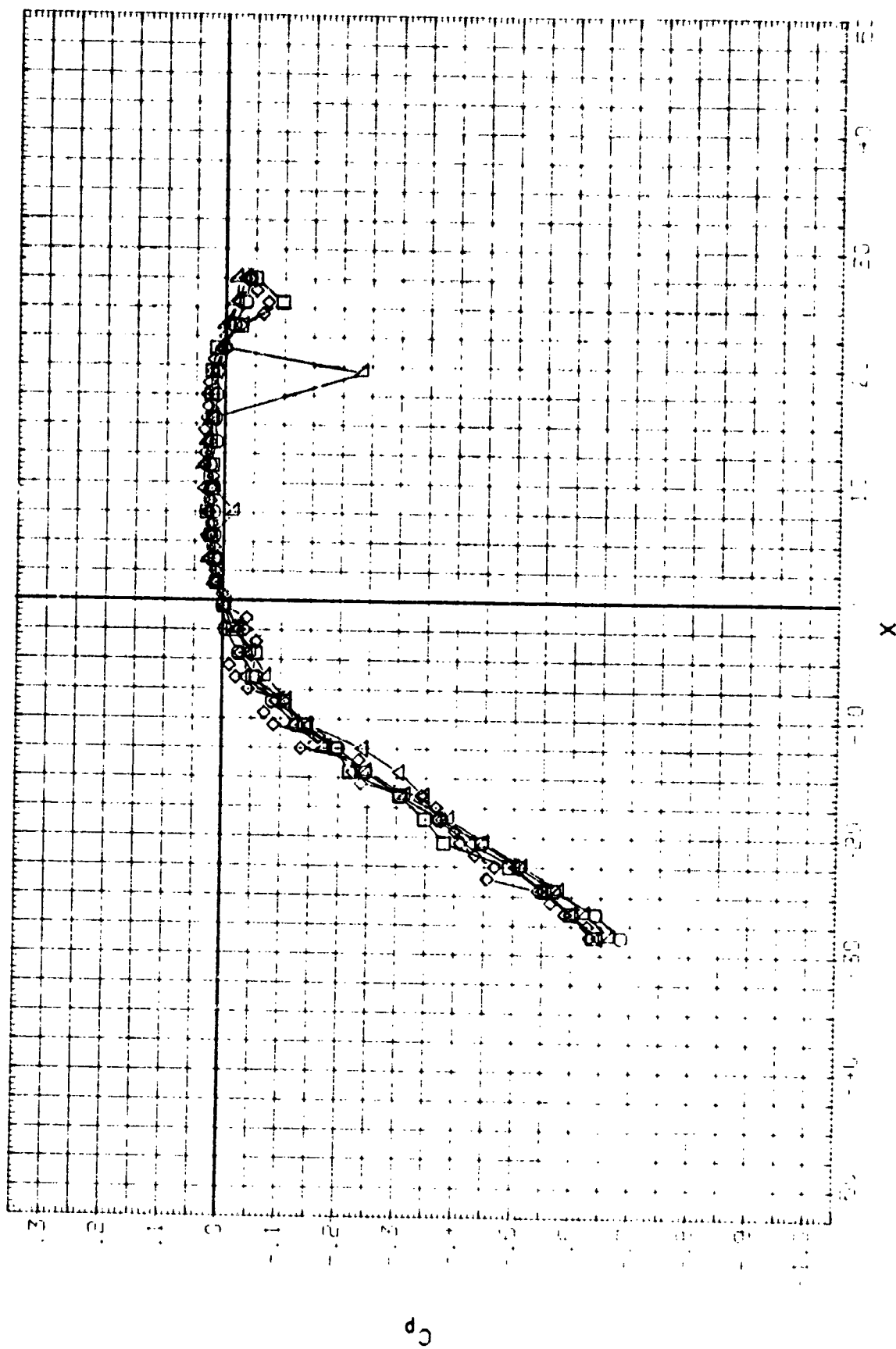


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP16) AMES 11-97-010 058A.B SF1 + PA3 + BRA

PARAMETRIC VALUES

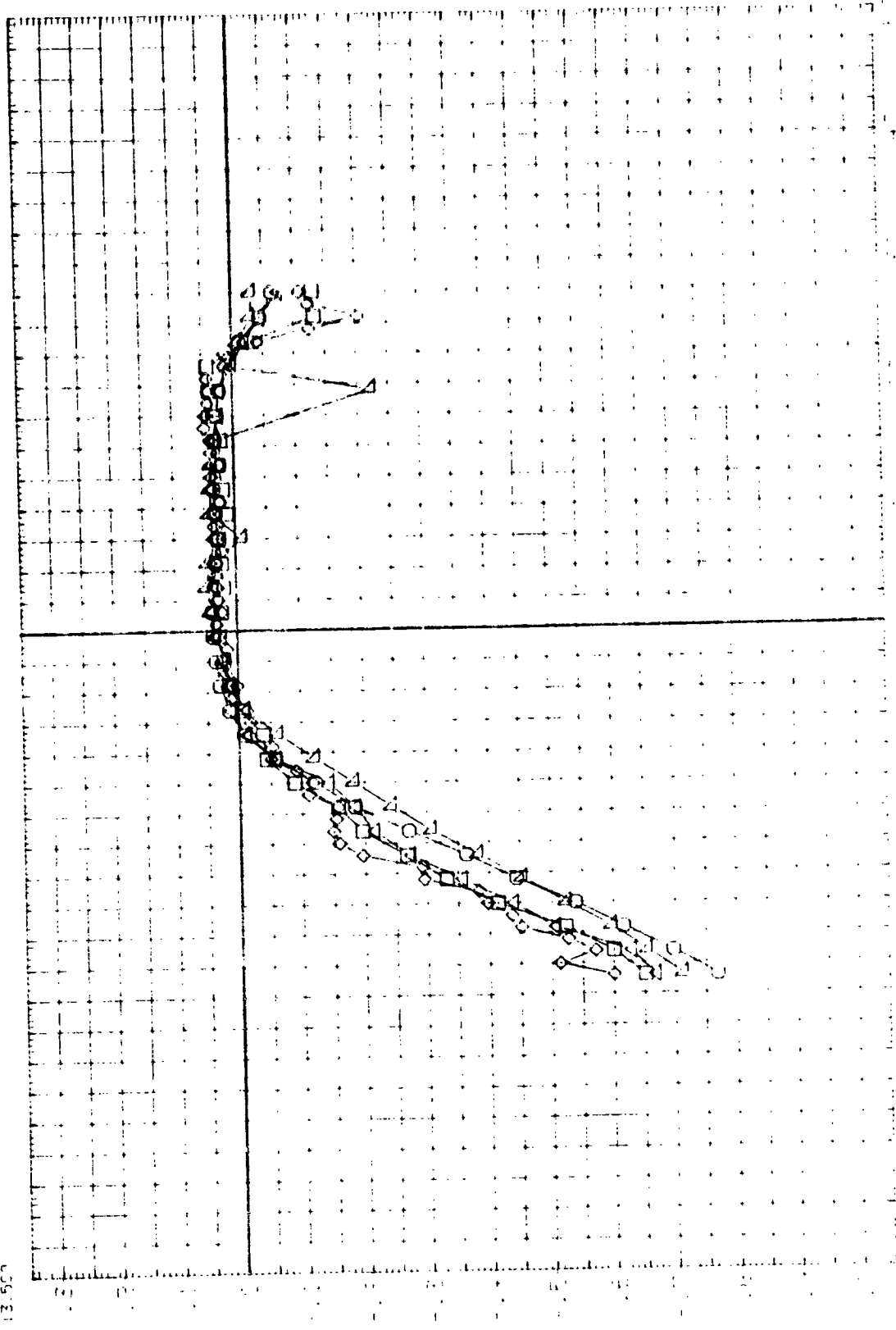
PT 12.280

PT

WACH 920

PT 12.250

13.500
16.500
19.500
22.500
25.500



AMES 11-97-010 058A.B SF1 + PA3 + BRA

REVISED: AUG 63 1-97-010 388-16 SF P43 - EPA

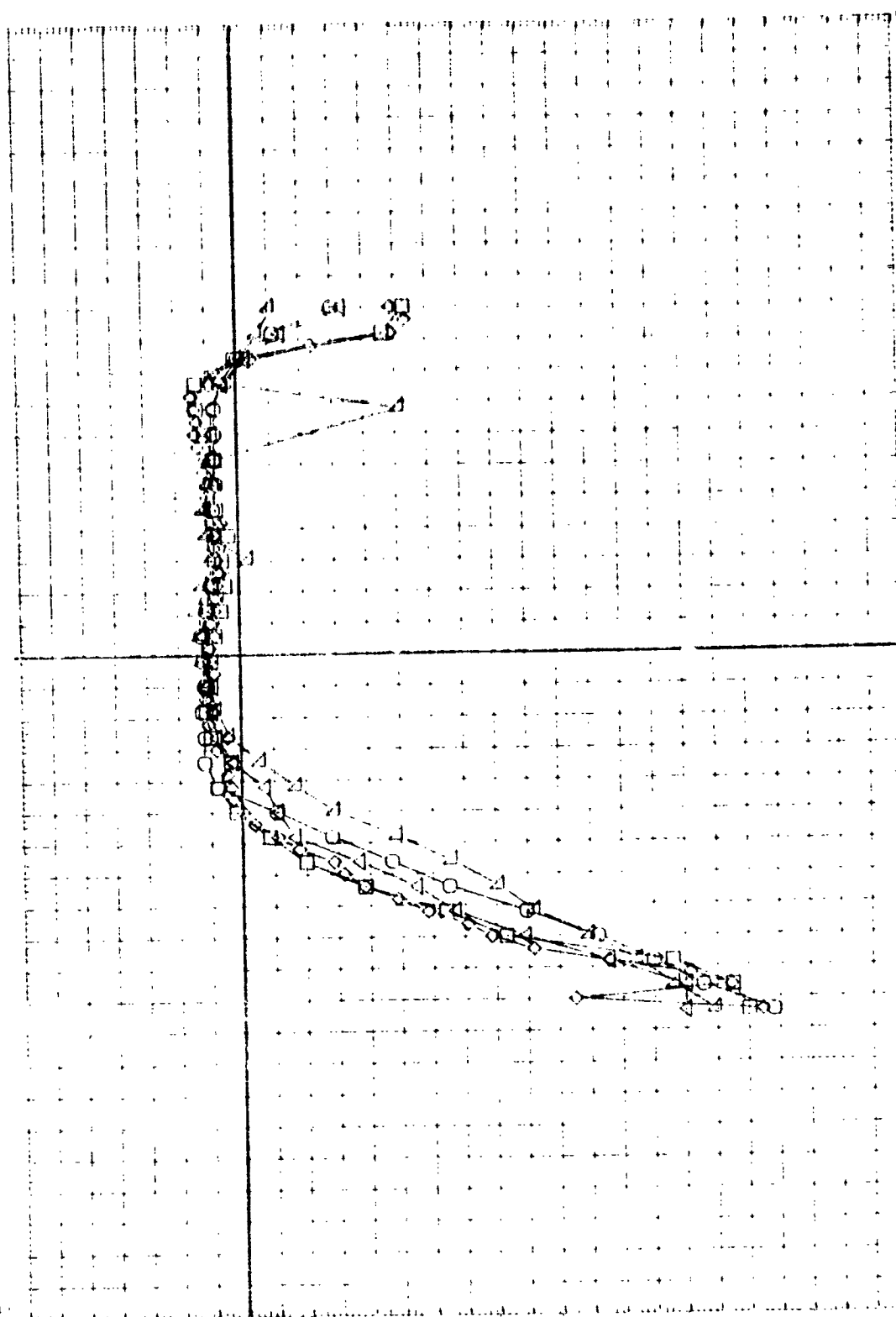


FIG. 24 STATIC SURFACE PRESSURES - DUMM / PANEL - EXPANSION 5-30% FIXTURE

(REXP16) AMES 11-97-010 0S8A.B S⁺⁺ + P/3 + BRA

SYMBOL
 O
 □
 △
 ◇
 E

MACH
 12.240 .955

PARAMETRIC VALUE
 12.280

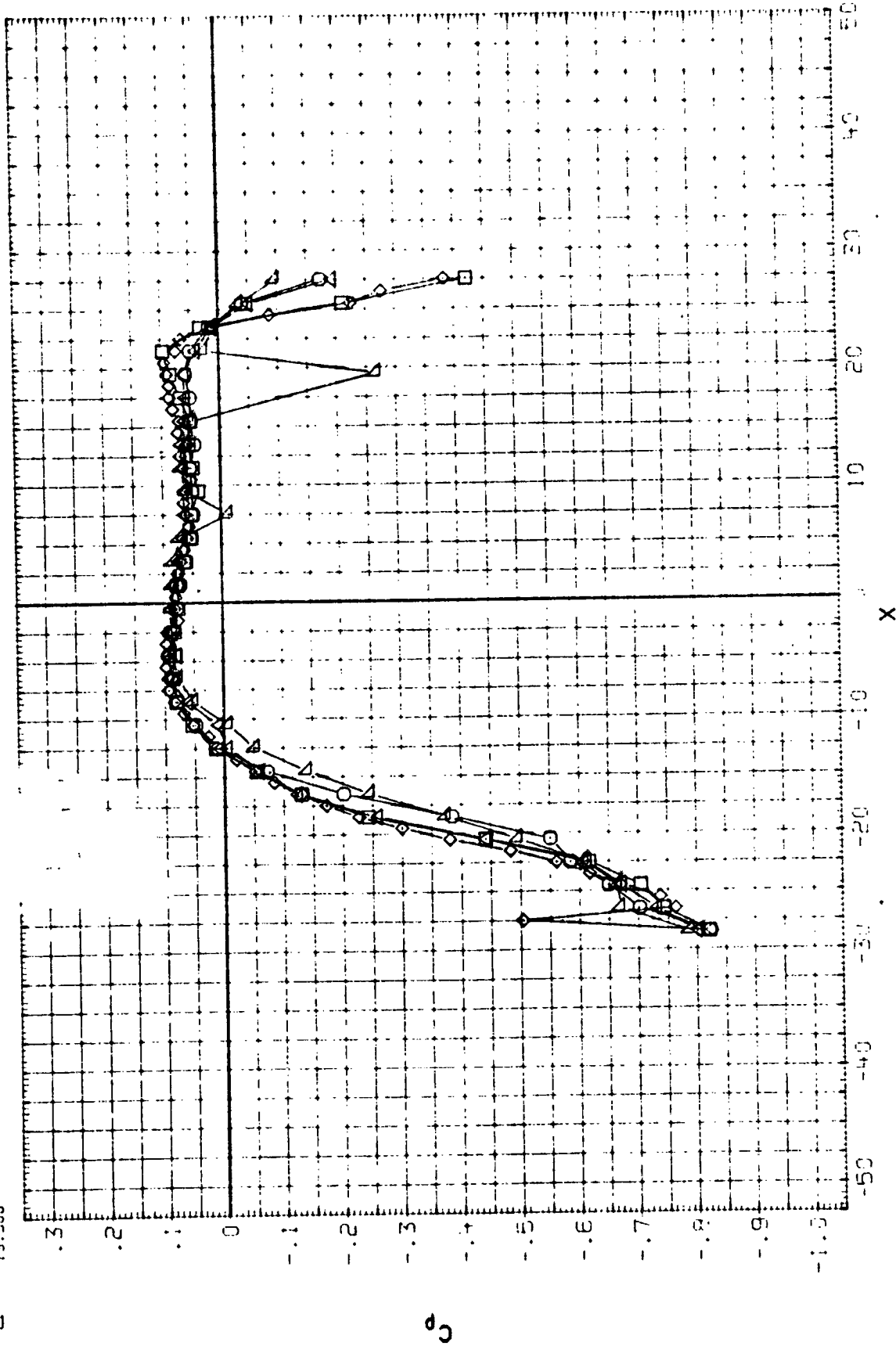


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 058A.B SF1 + PA3 + BRA

SYMBOL Y
-13.500
-6.500
-3.500
6.500
13.500

PT MACH
12.270 .702

PARAMETRIC VALUES
PT

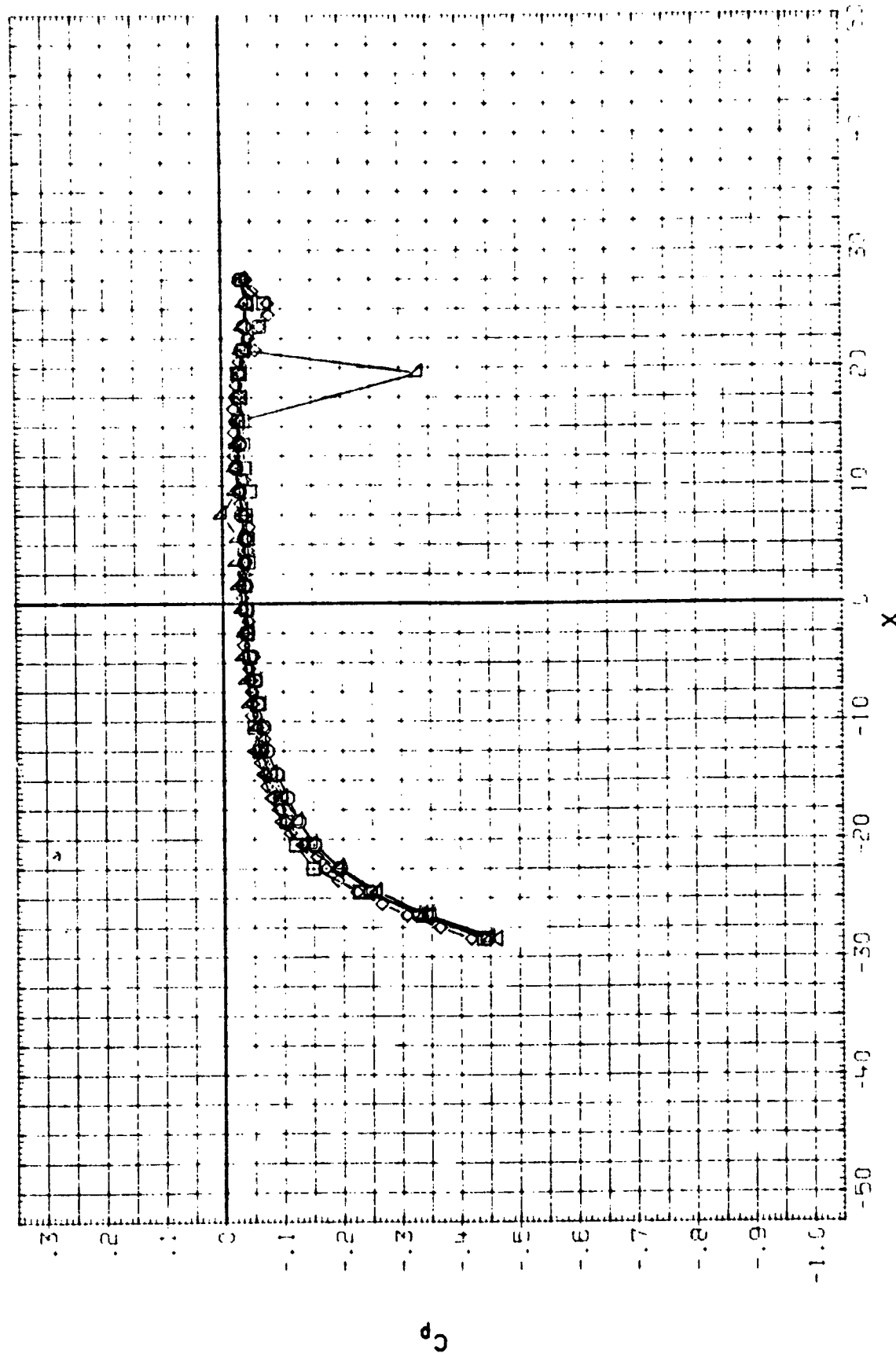


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y
-13.500
-6.500
-5.00
6.500
13.500

PT 12.270
MACH .751

PARAMETRIC VALUES
PT 12.280

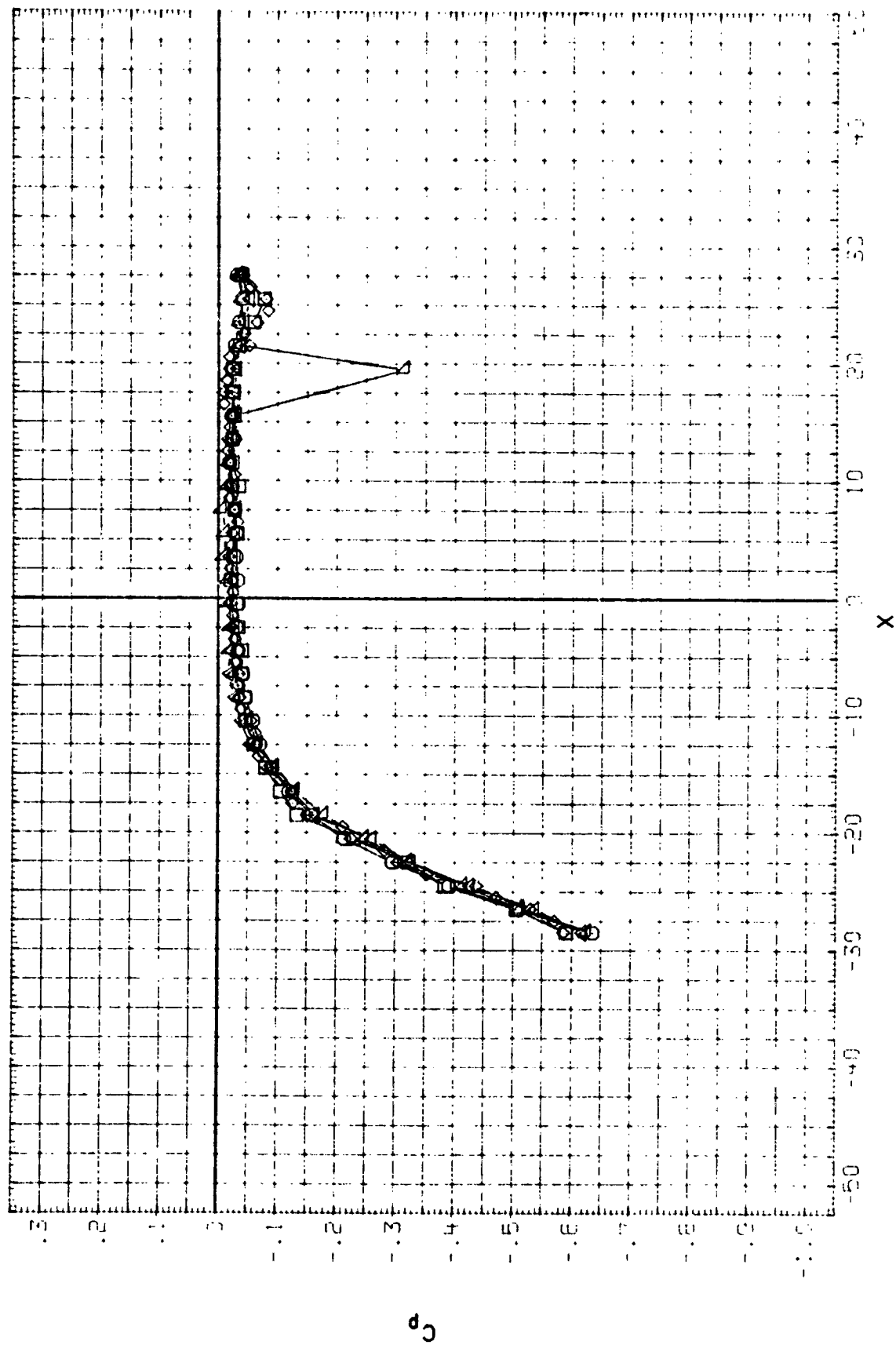


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

PARAMETRIC VALUES

PT 12.260

MACH

.802

BY 12.260

13.500

6.500

1.500

6.500

13.500

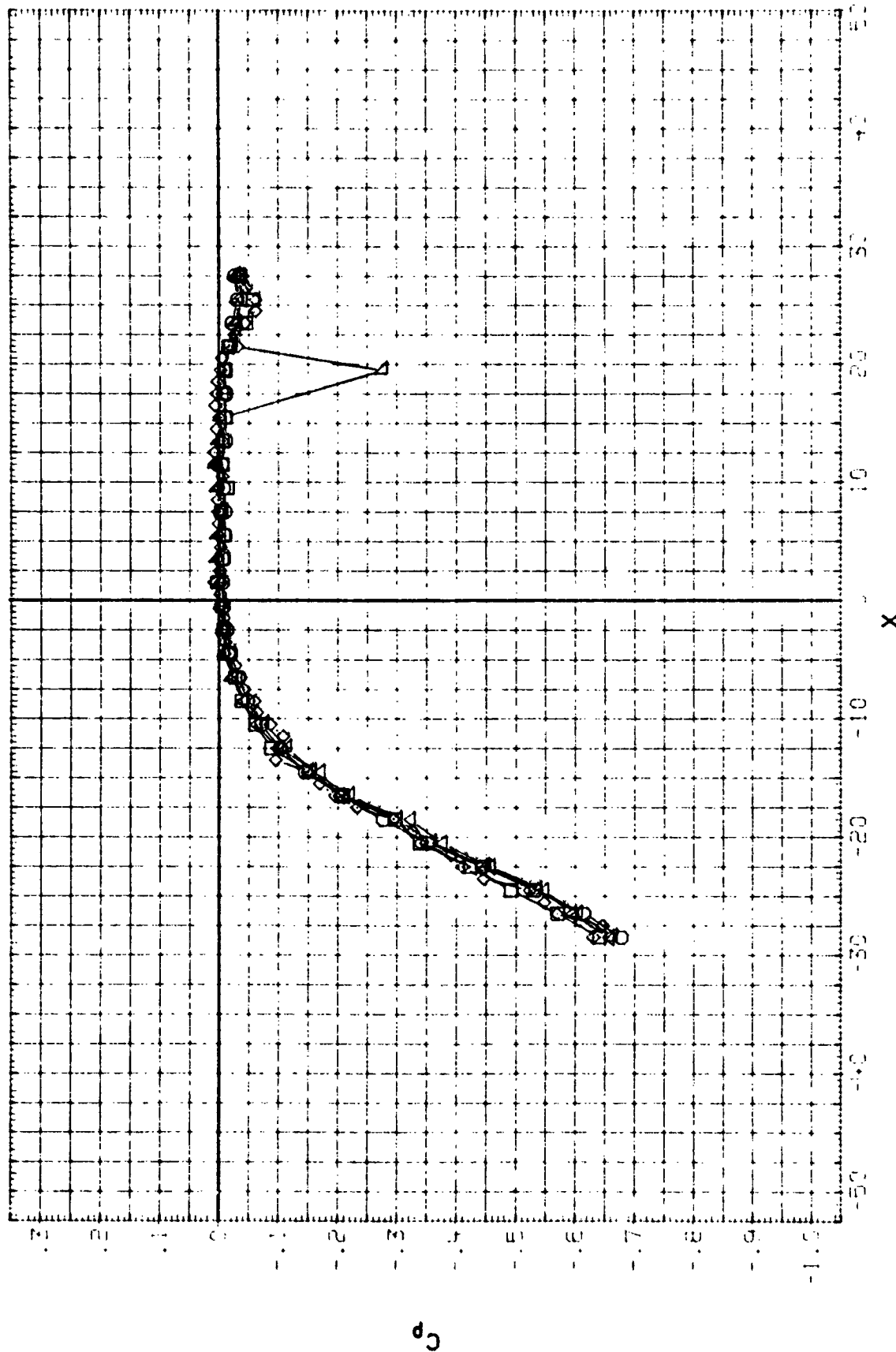


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

PARAMETRIC VALUES

12.280

PT

MACH

.817

DT

12.240

Y

-13.500

-6.500

-1.500

6.500

13.500

SYMBOL

○ □ △

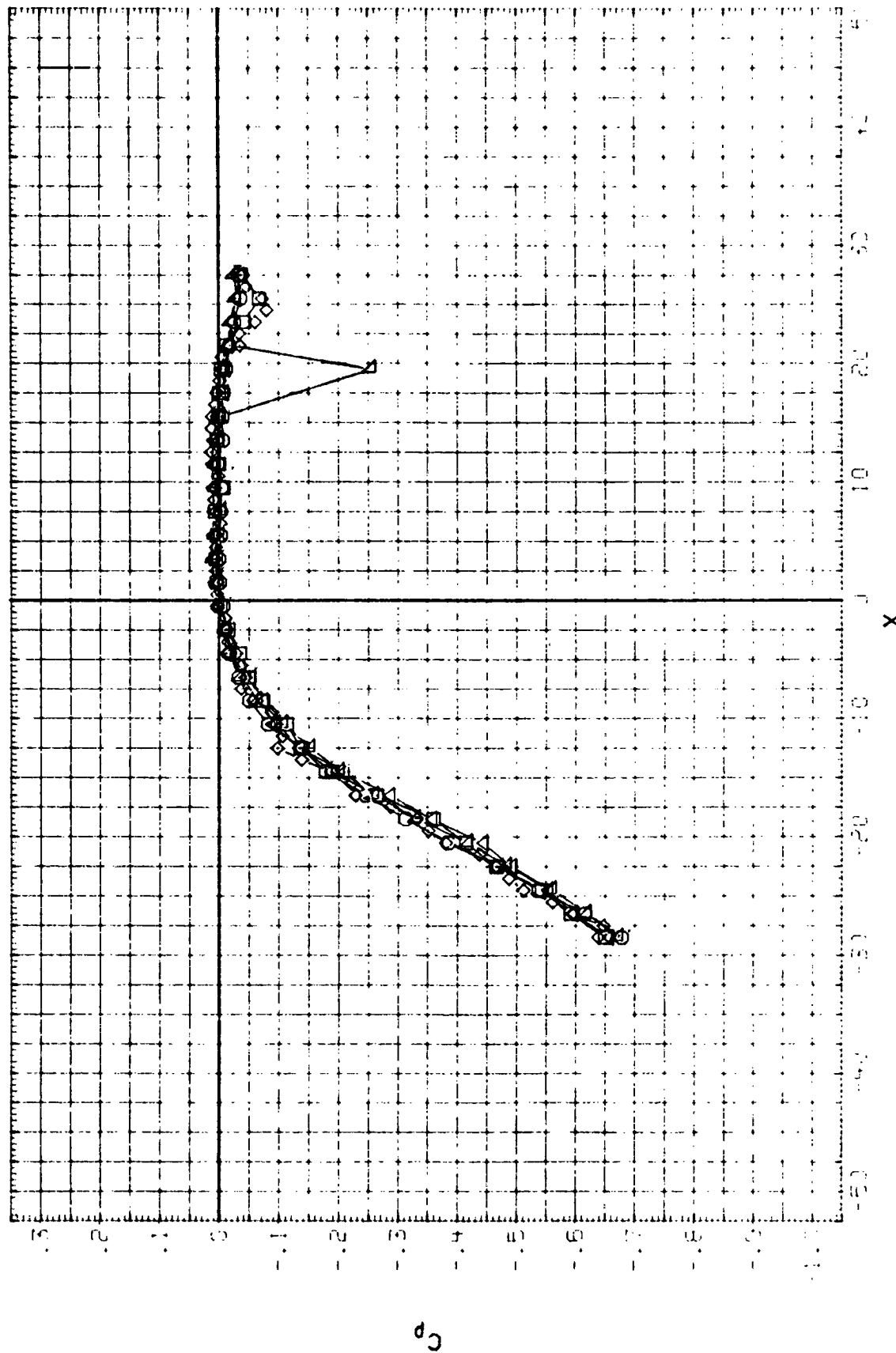
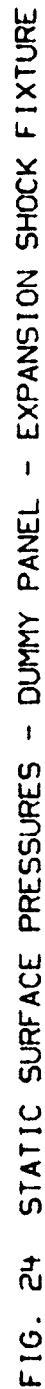


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE



(REXP17) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 12.26C .859

PT
 12.280

PARAMETRIC VALUES

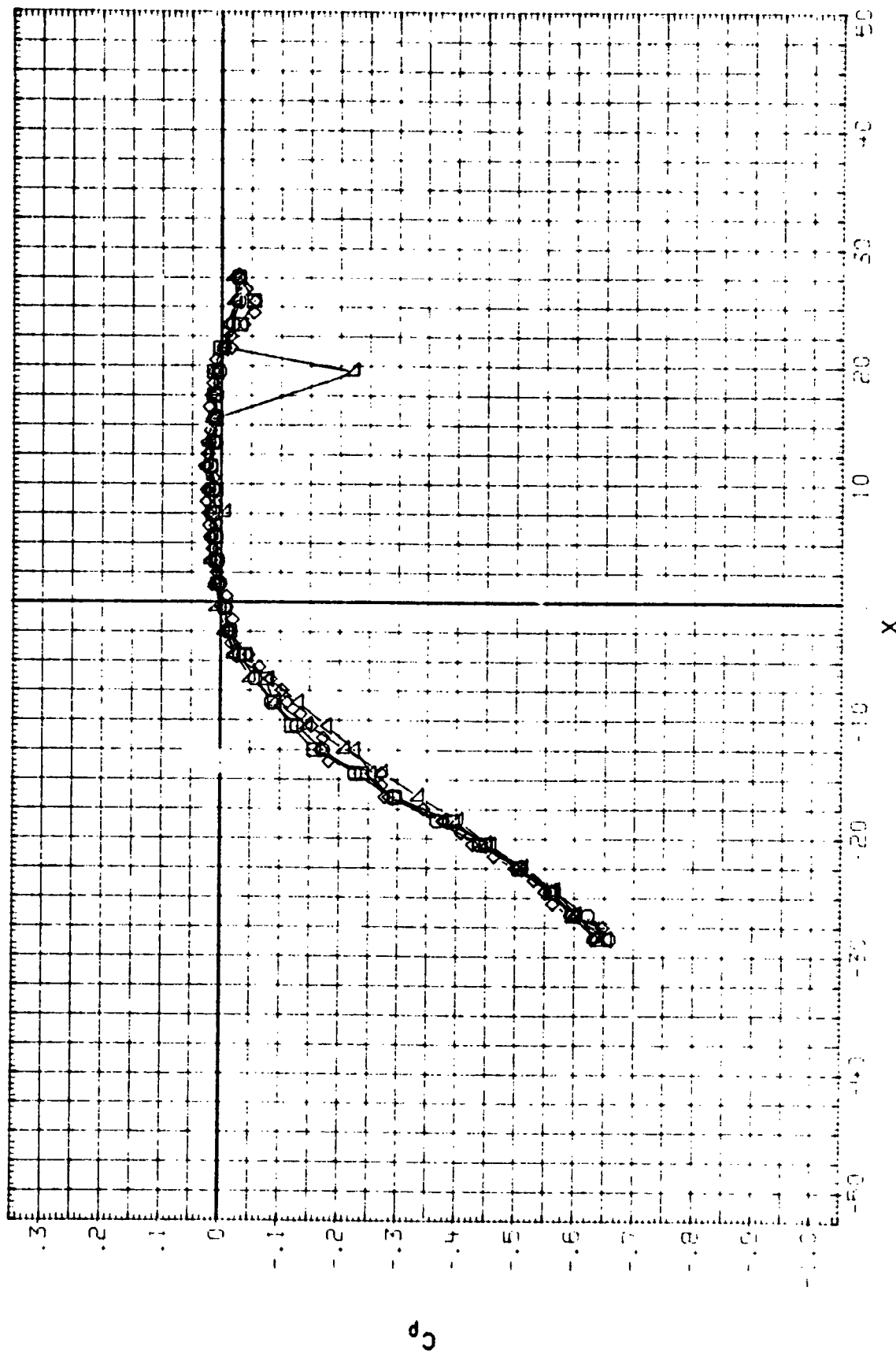


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

SYMBOL Y E MACH
 -13.500 12.250 .850
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

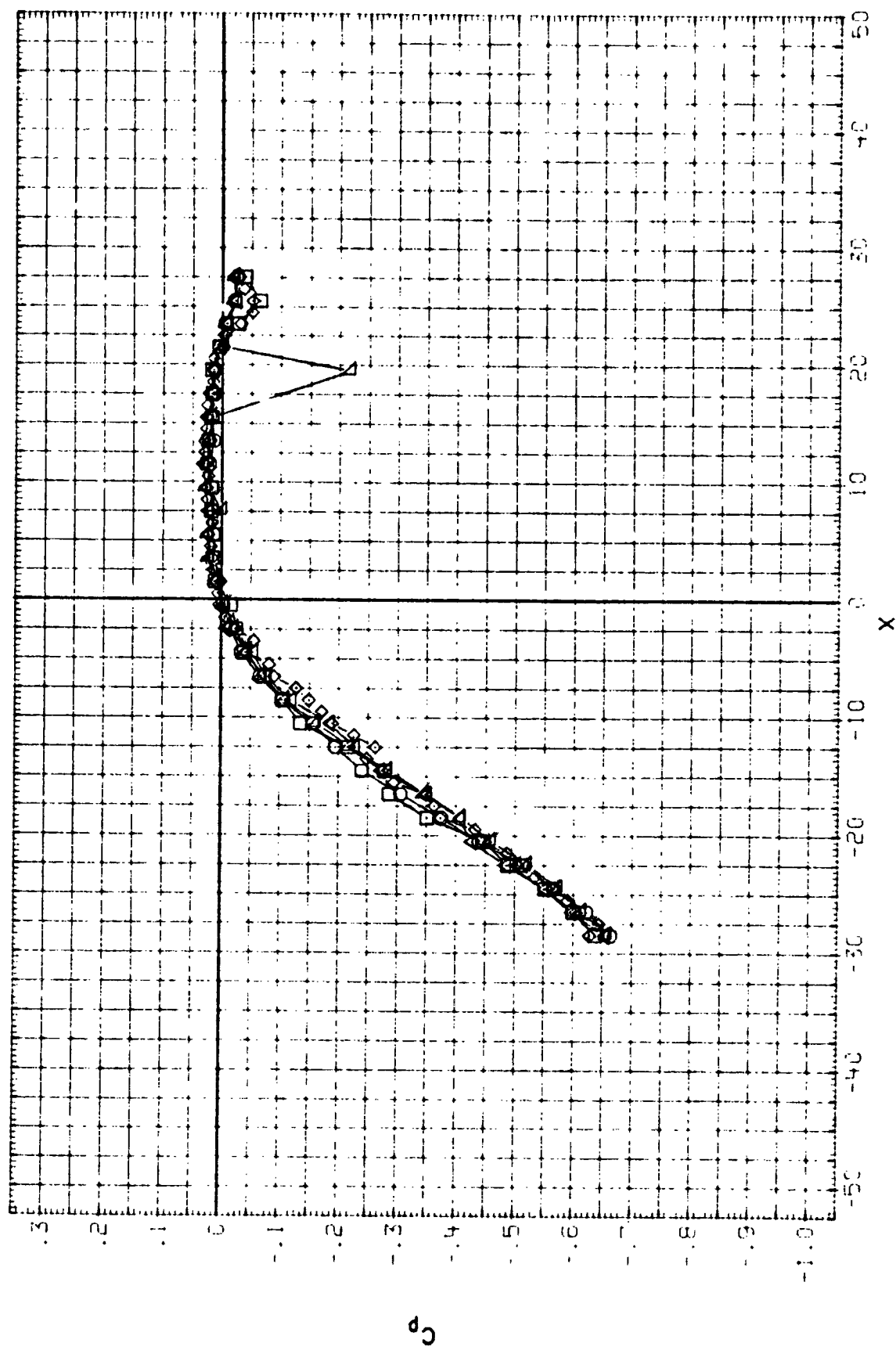


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PT 12.260

MACH .900

PT

PARAMETRIC VALUES
 12.280

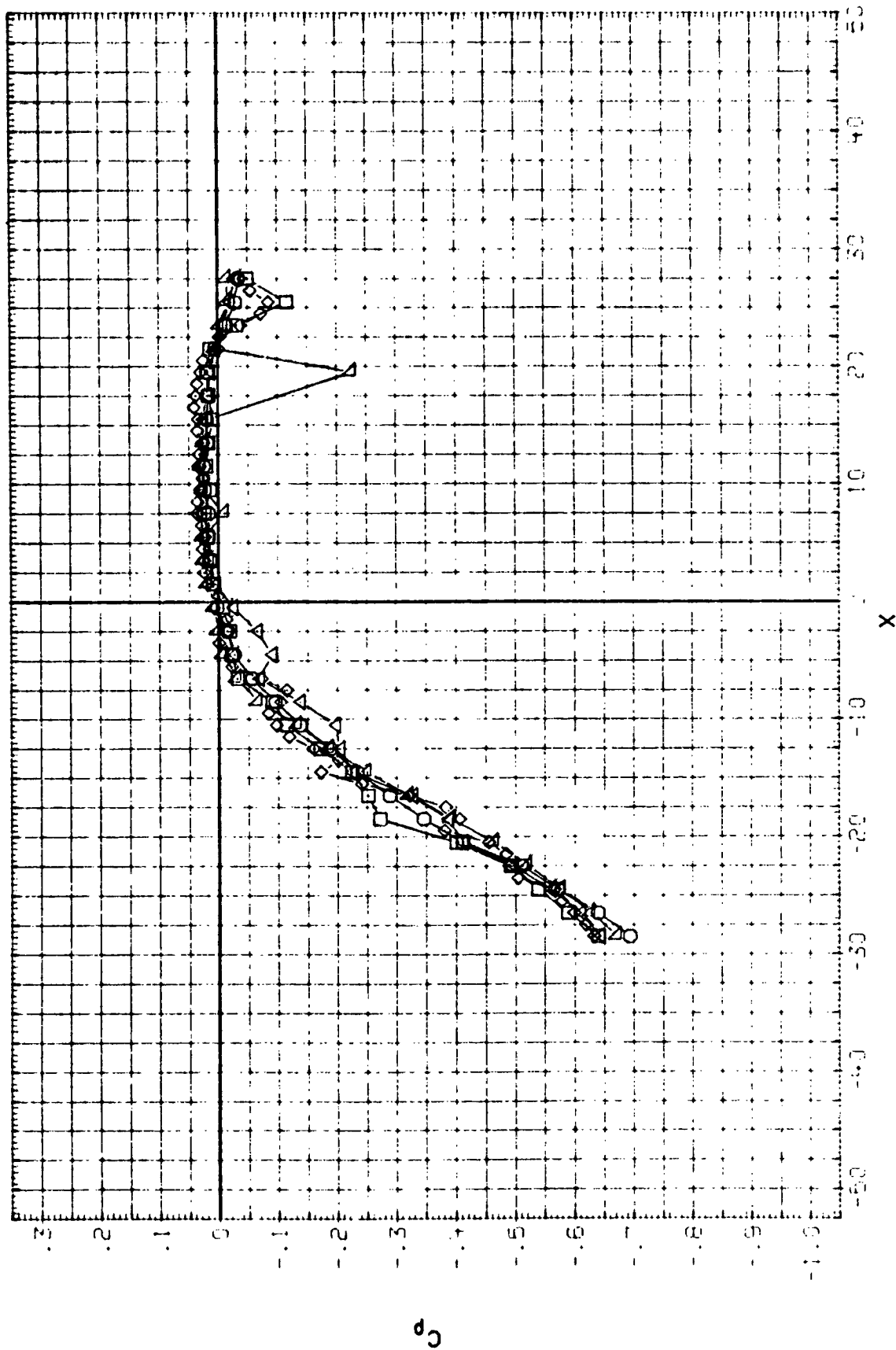


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL

-13.500
-6.500
-1.500
6.500
13.500

PT 12.250

MACH .918

PARAMETRIC VALUES
PT .2.280

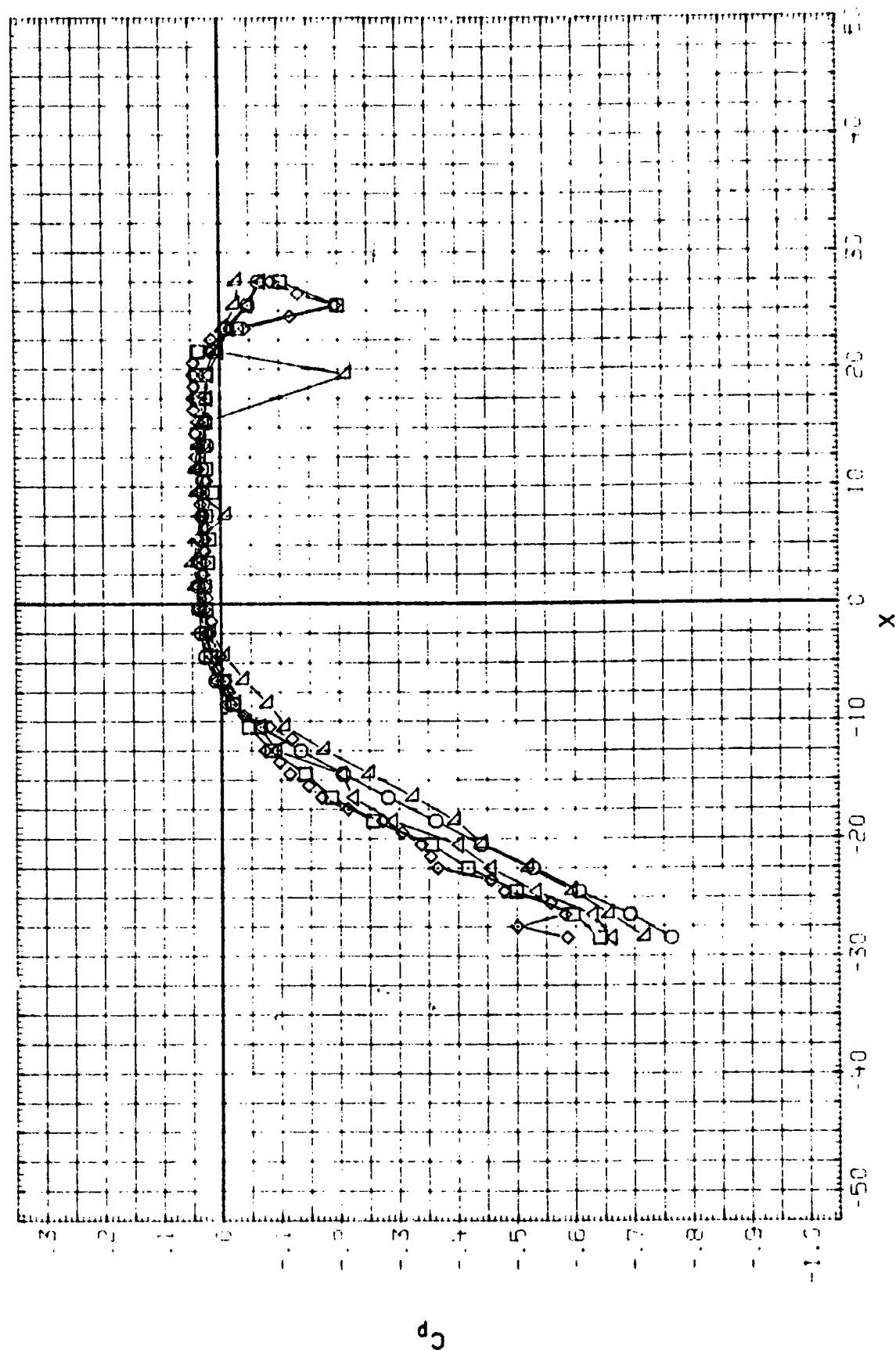


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PT 12.250
 MACH .933

PARAMETRIC VALUES
 PT 12.280

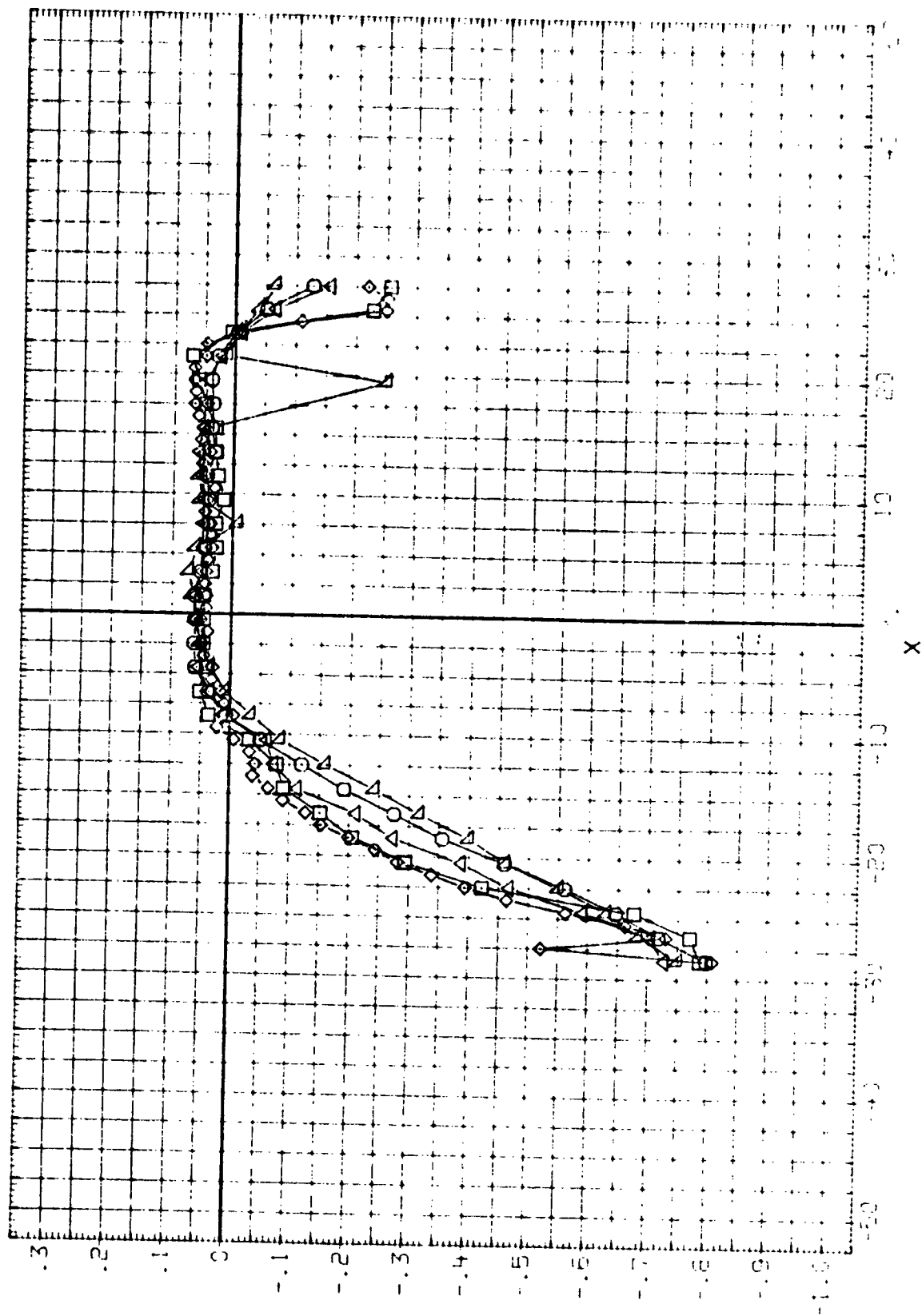


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP17) AMES 11-97-010 OSBA.B SF1 + PA3 + BRA

SYMBOL
-13.500
-6.500
-500
6.500
13.500

PT 12.240 MACH .956

PARAMETER VALUES
PT .2.760

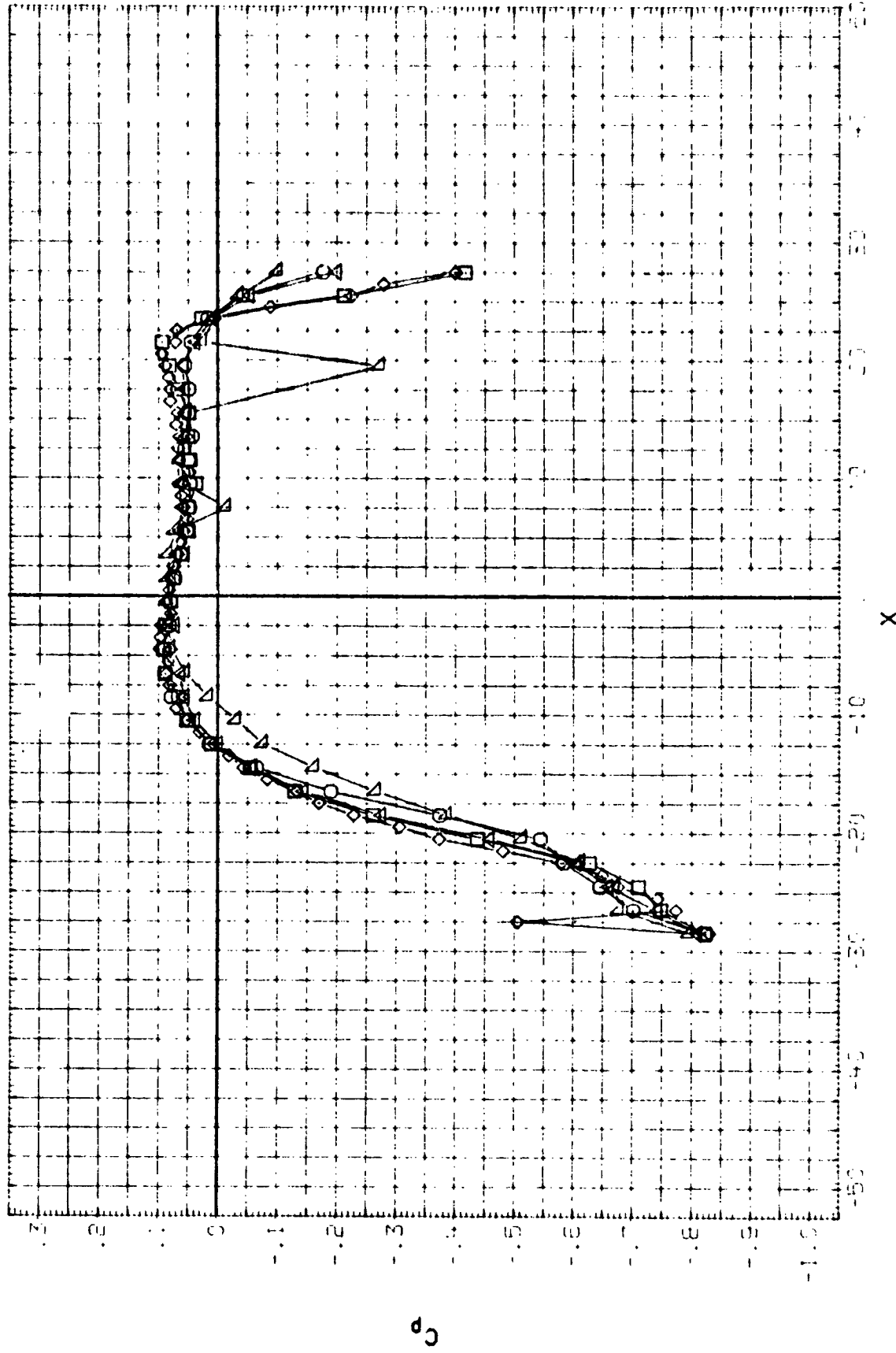


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP18) AMES 11-97-010 058A,B SF1 + PA3 + BRP

PARAMETRIC VALUES

PT 12.290

PT

12.260

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

MACH .701

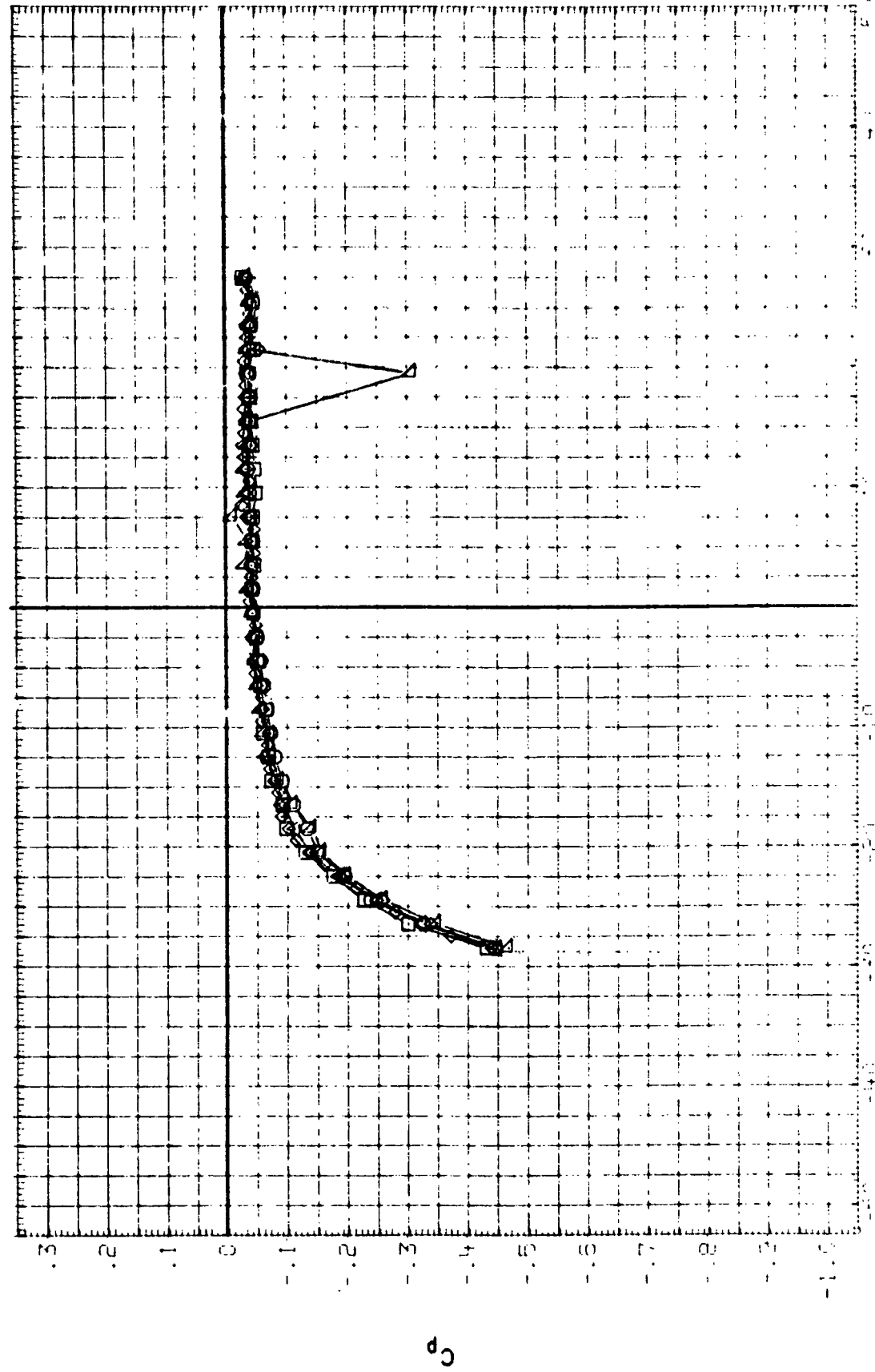


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EX. 15 ON SHOCK FIXTURE

(REXP18) AMES 11-97-010 OS8A.B SF1 + PA3 + BR

SYMBOL
□ ○ △

PT 12.290
MACH .752

PARAMETRIC VALUES
PT 12.280

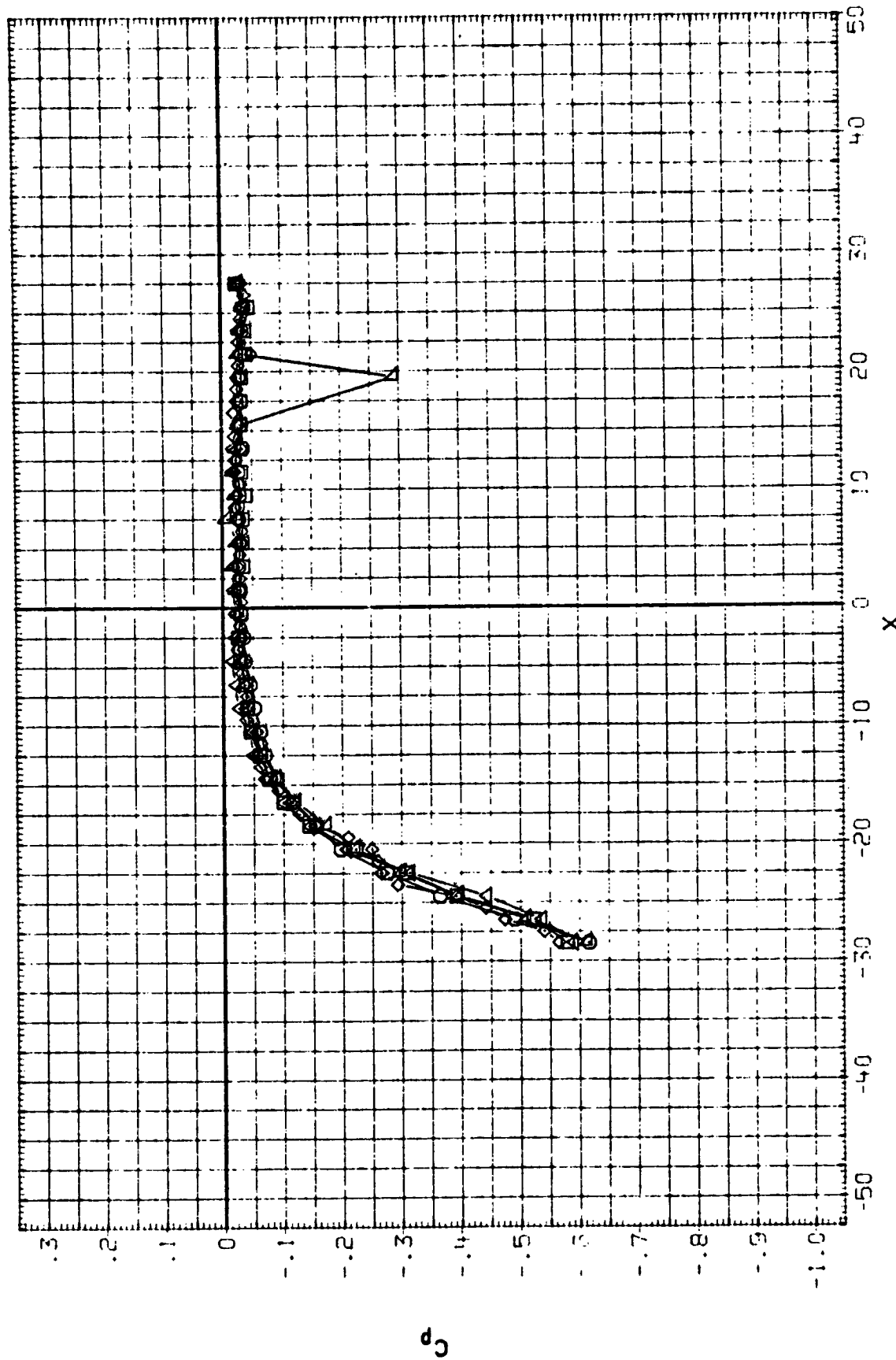


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP18) AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

PARAMETRIC VALUES

PT 12.280

PT

MACH .801

PT 12.290

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

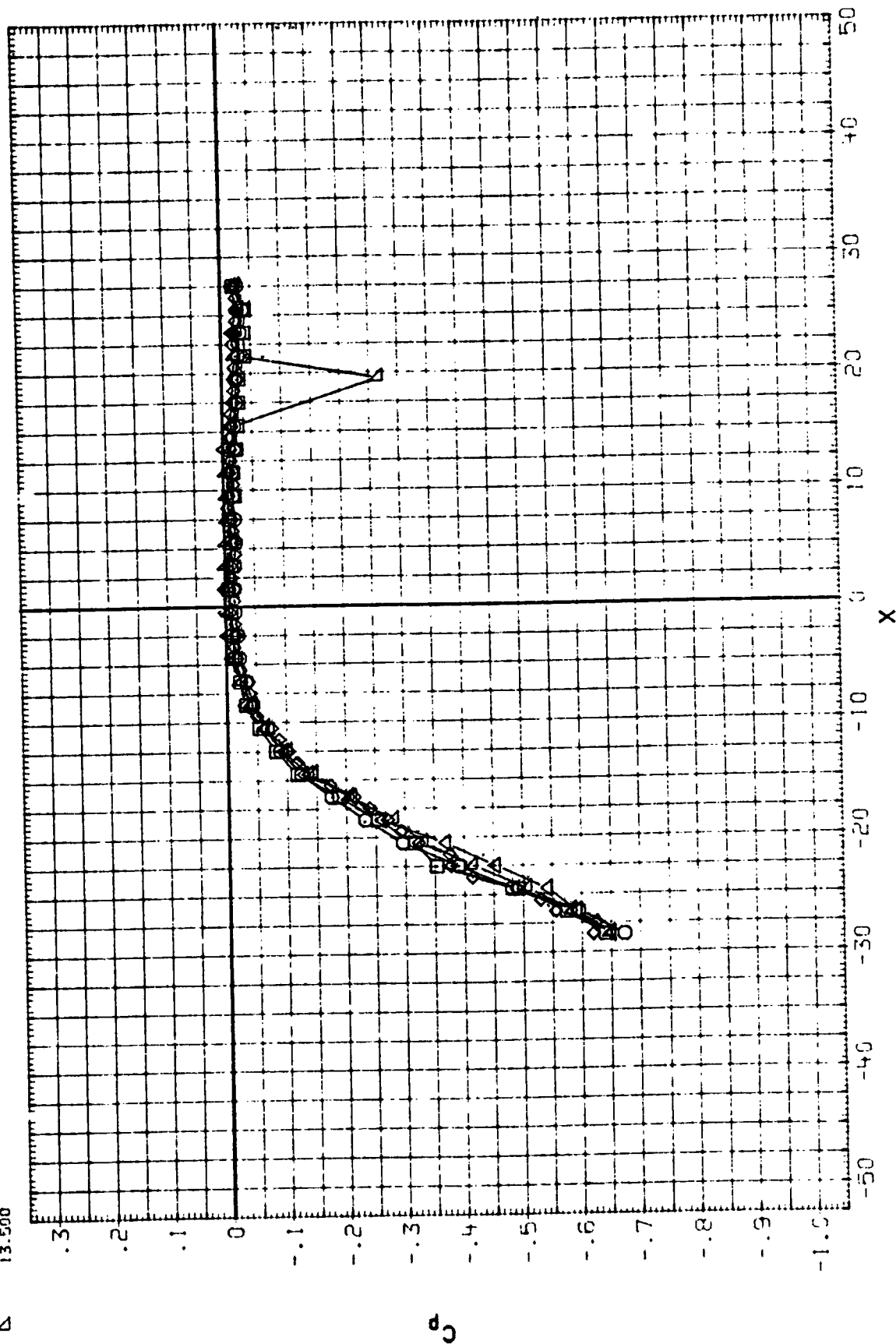


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP18) AMES 11-97-010 OS8A.B SF1 + PA3 + BRF

PARAMETRIC VALUES
PT 12.280

PT 12.280
MACH .843

Y
-13.500
-6.500
-1.500
6.500
13.500

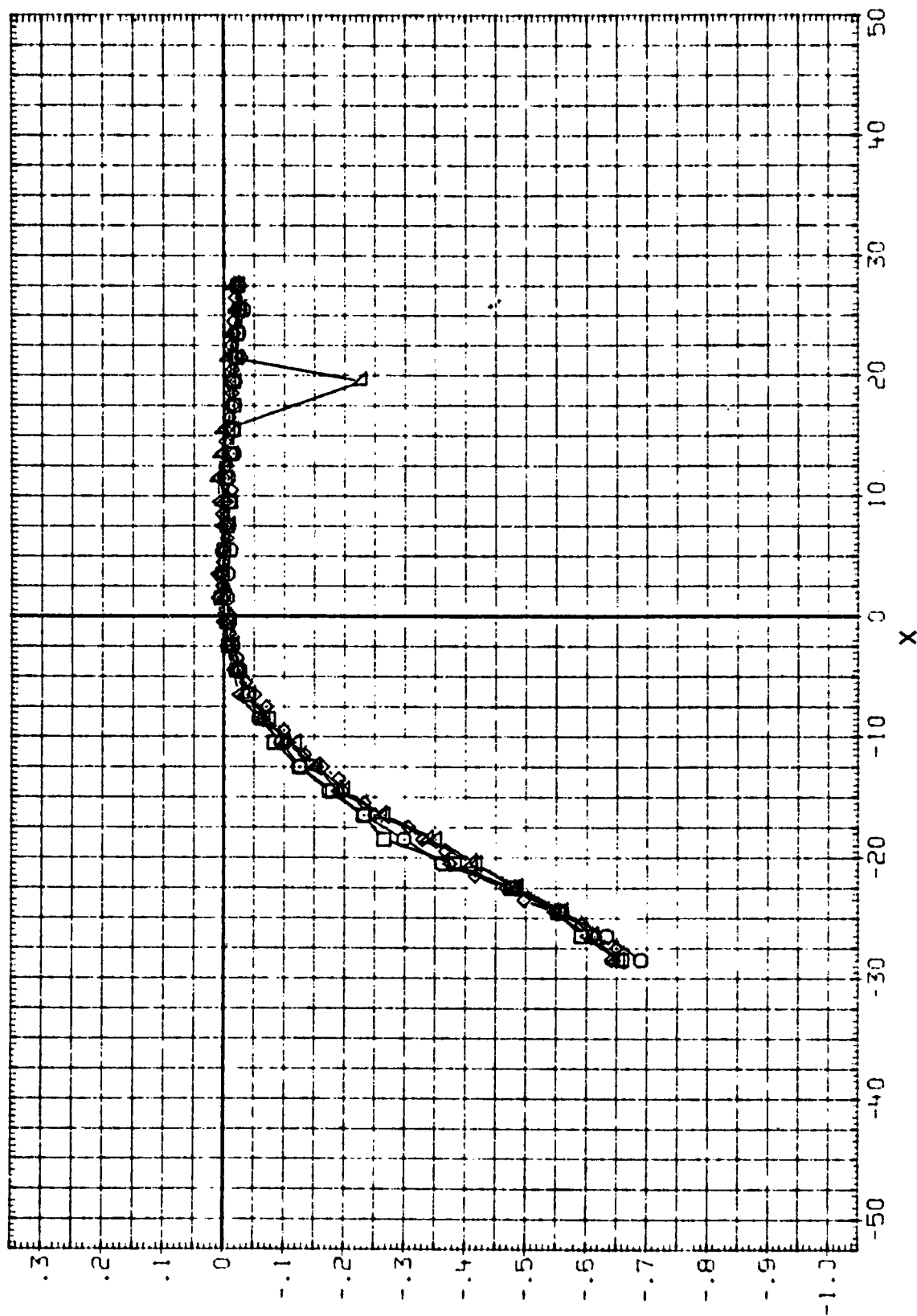


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP18) AMES 11-97-010 058A,B SF1 + PA3 + BRF

SYMBOL Y
 O -13.500
 □ -6.500
 △ -5.000
 4 6.500
 13.500

PT 12.290
 MACH .882

PARAMETRIC VALUES
 PT 12.280

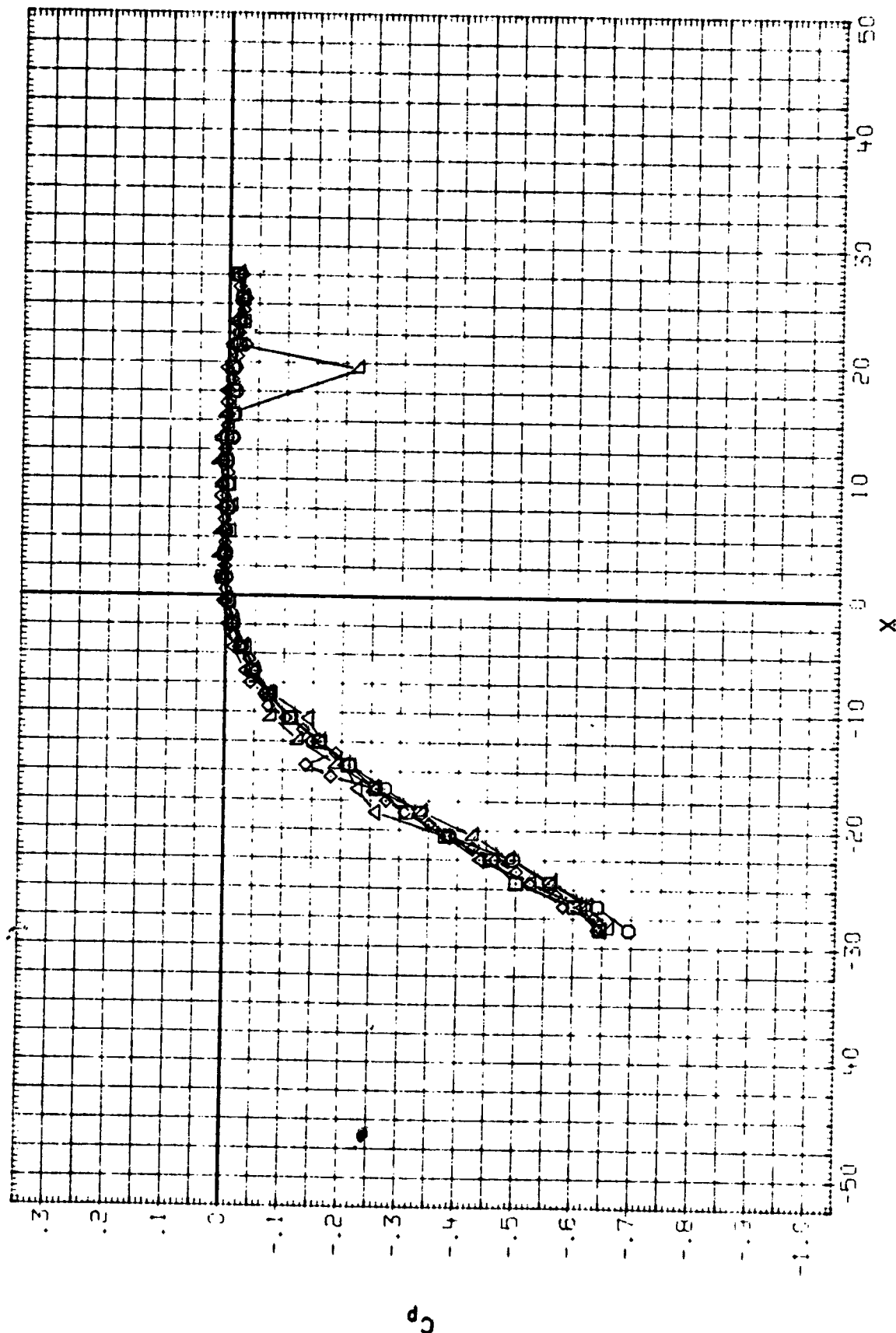


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP18) AMES 11-97-010 OS8A,B SF1 + PA3 + BRP

SYMBOL Y
 -13.500
 -6.500
 -5.000
 6.500
 13.500

PT MACH
 12.290 .921

PT
 12.280

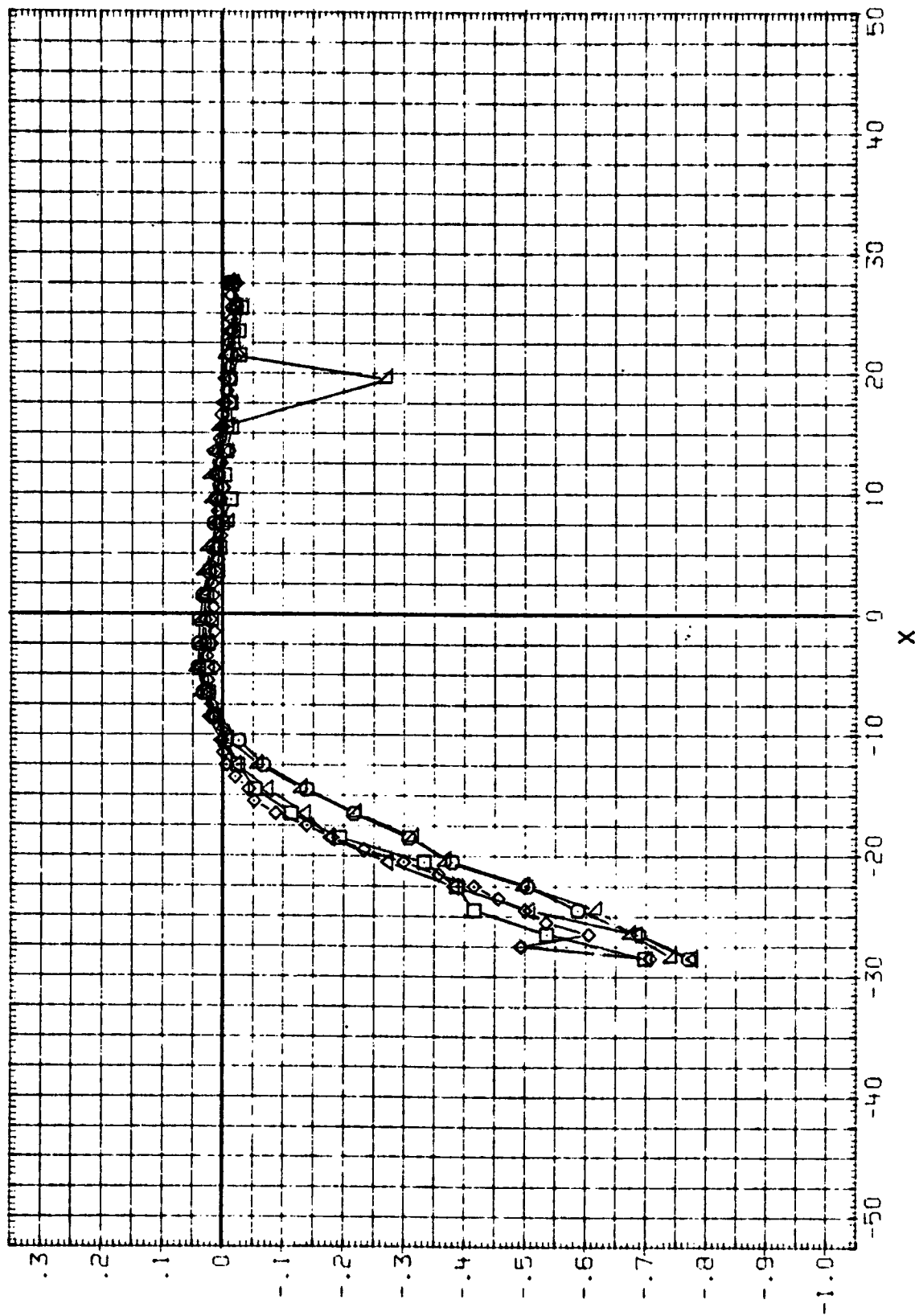


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP18) AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

PARAMETRIC VALUES

PT 12.280

PT

MACH 961

SYMBOL
 -13.500
 -6.500
 -3.500
 6.500
 13.500

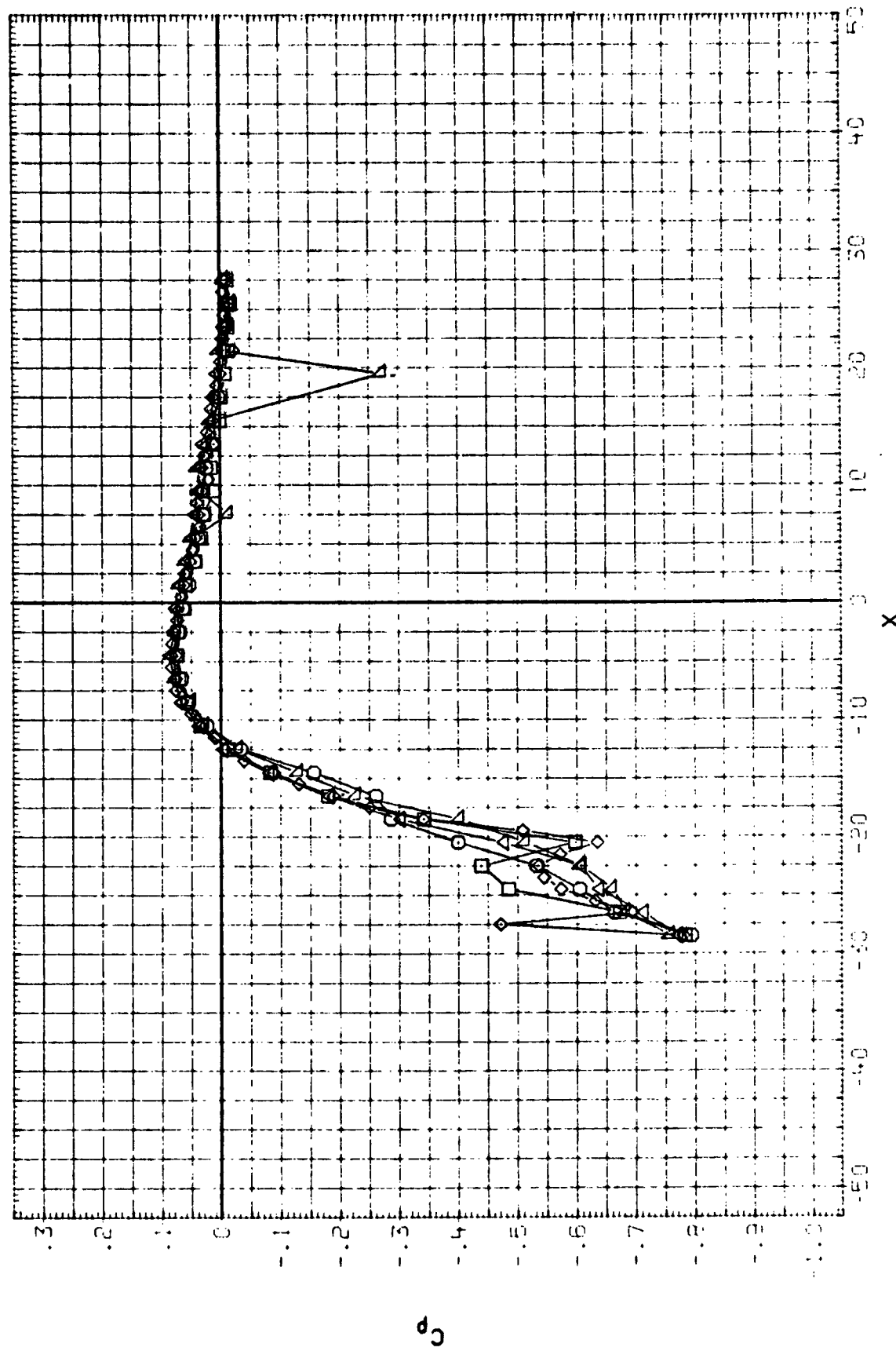


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP19) AMES 11-97-010 OS8A.B SF1 + PA3 + BRP

SYMBOL
 13.500
 6.500
 1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.293
 MACH 0.702

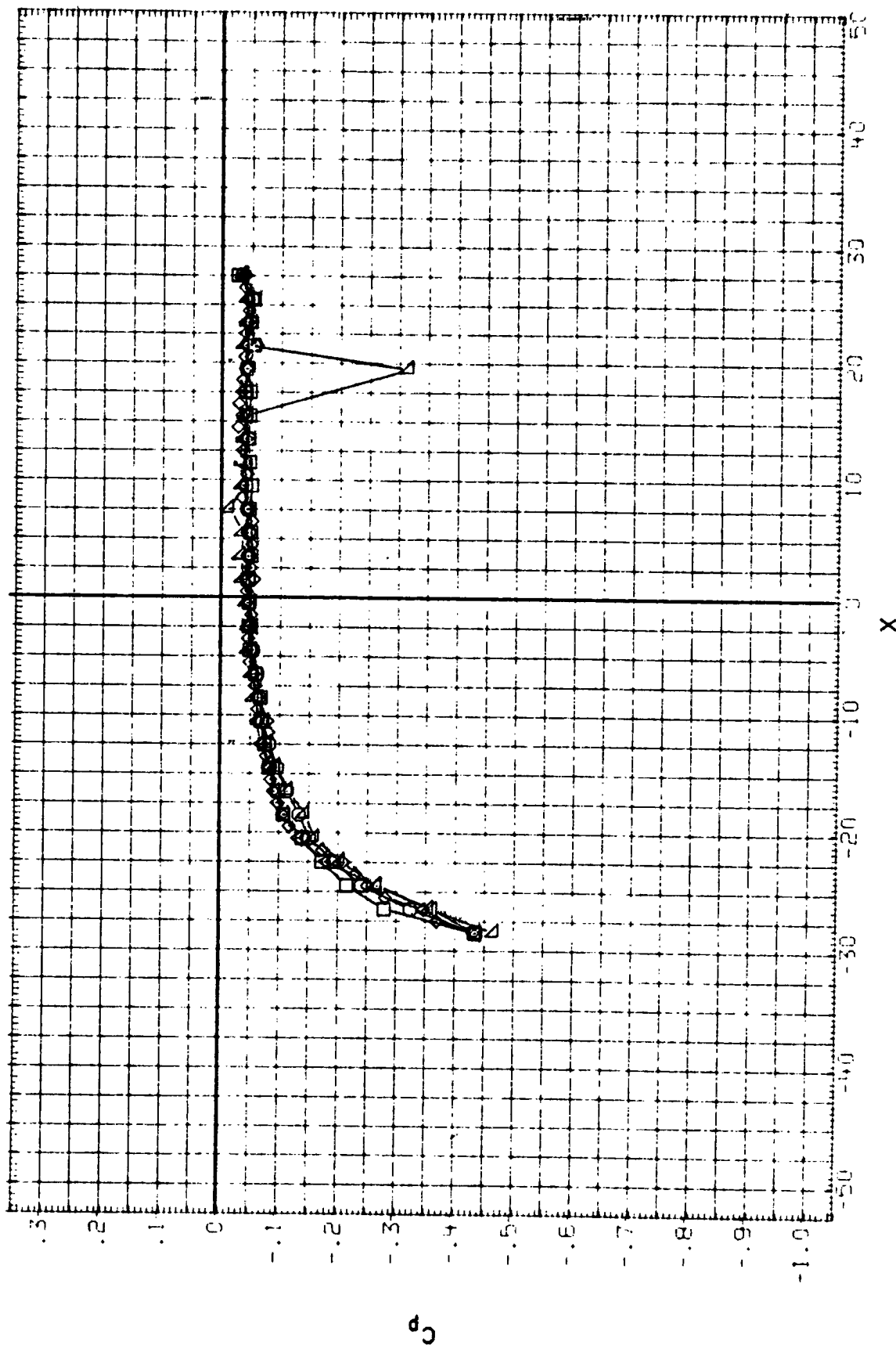


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP19) AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

PARAMETRIC VALUES
PT 12.280

PT 12.290 MACH .751

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

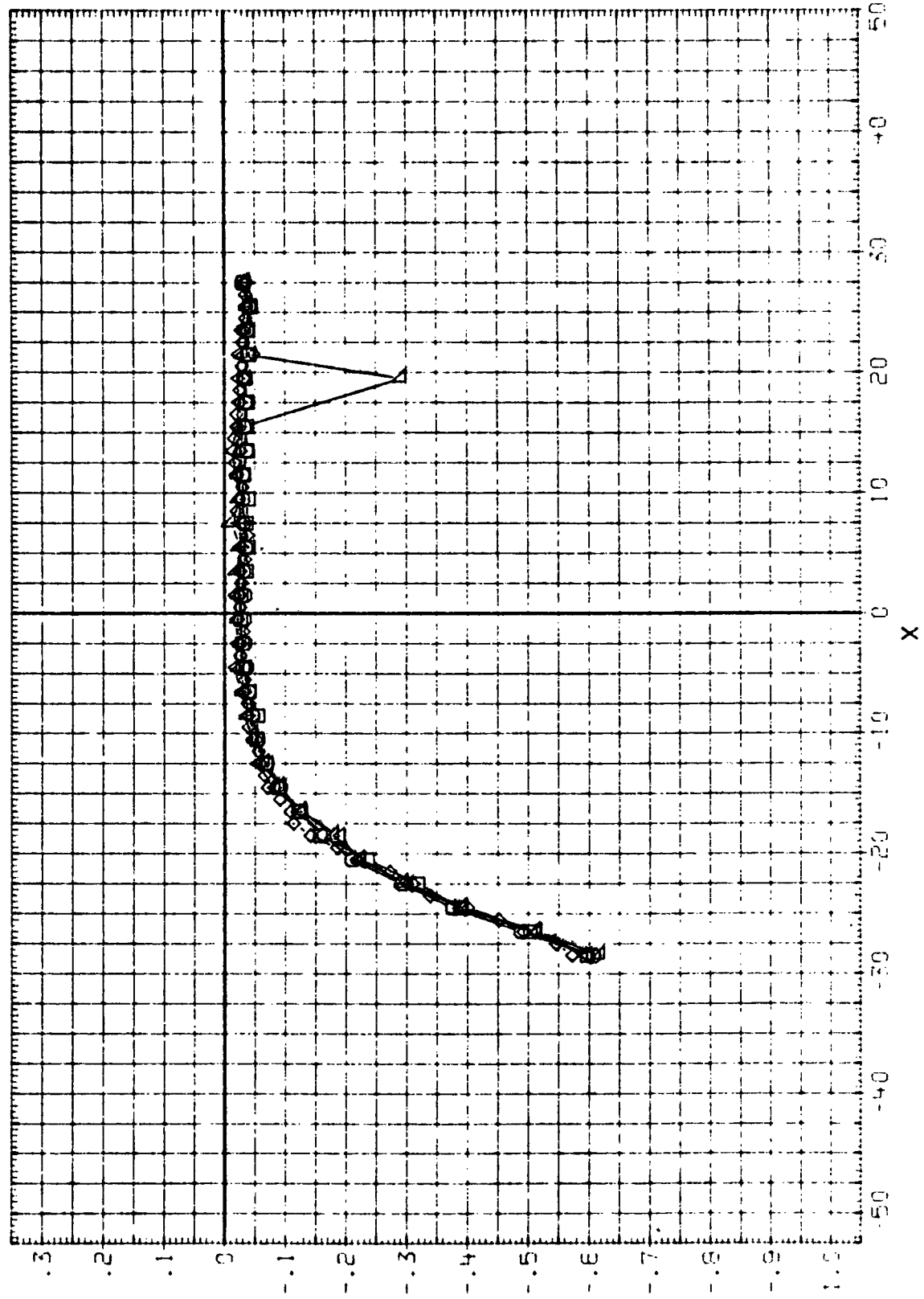


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP19) AMES 11-97-010 058A.8 SF1 + PA3 + BRP
 SP. SOL PT MACH
 -13.500 12.290 .804
 -6.500
 -5.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.290

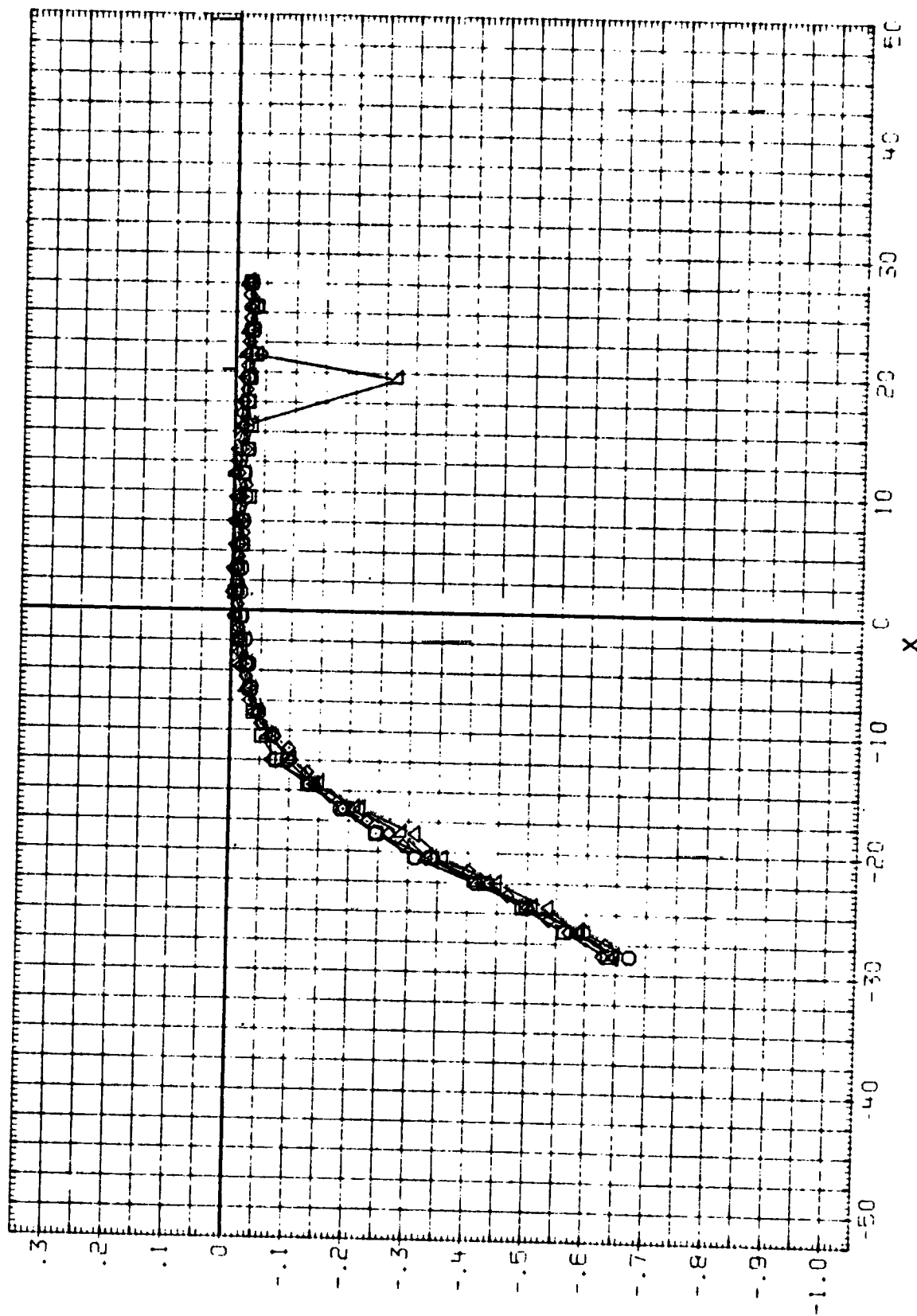


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP19) AMES 11-97-010 0S8A.B SF1 + PA3 + BRP

SYMBOL
 13.500
 6.500
 6.500
 13.500

PT 12.290
 MACH .843

PARAMETRIC VALUES
 PT 12.280

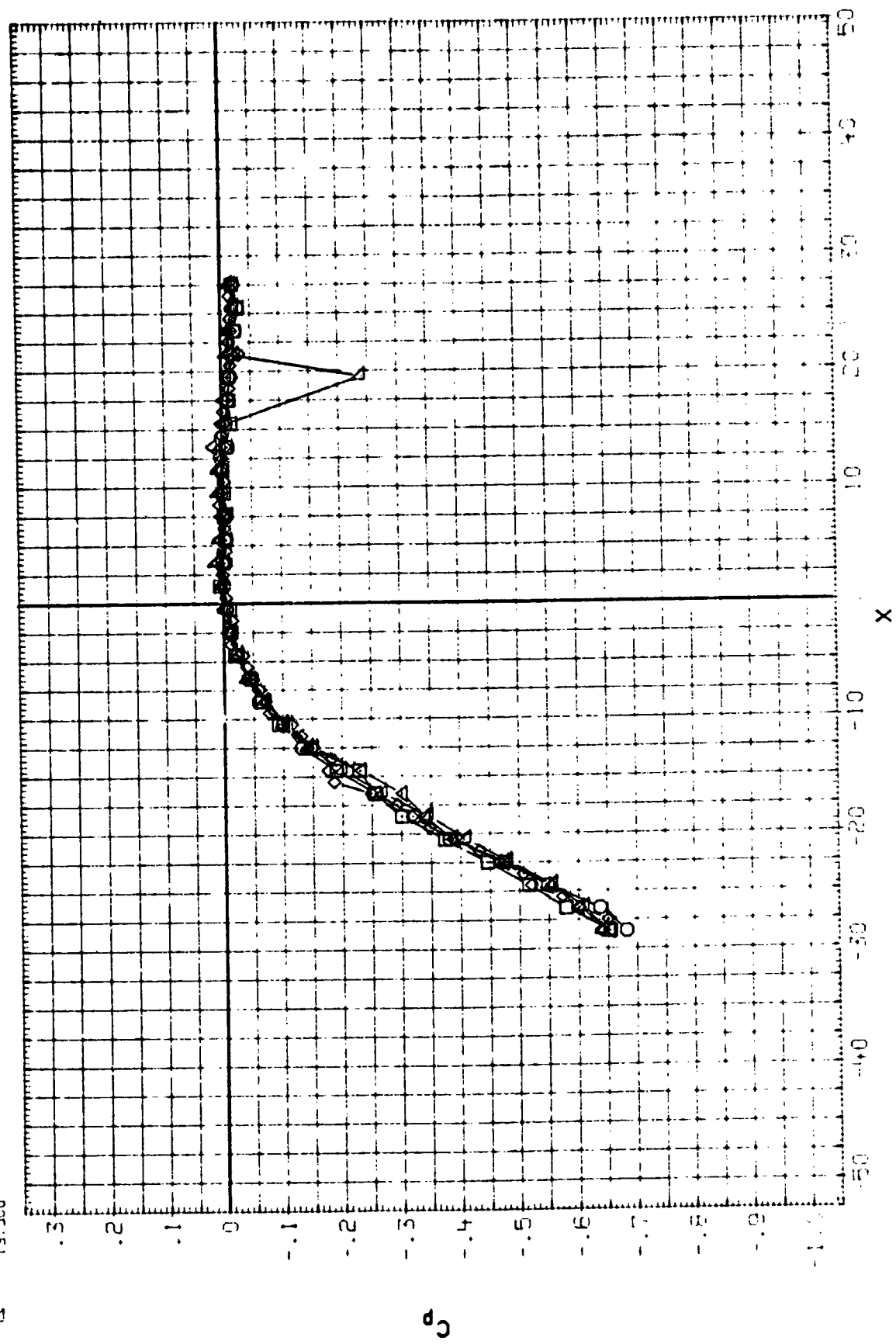


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

AREA 11-97-000 11-97-000 501 + PA3 + BRP

ADK

11-97-000

11-97-000
11-97-000
11-97-000
11-97-000
11-97-000

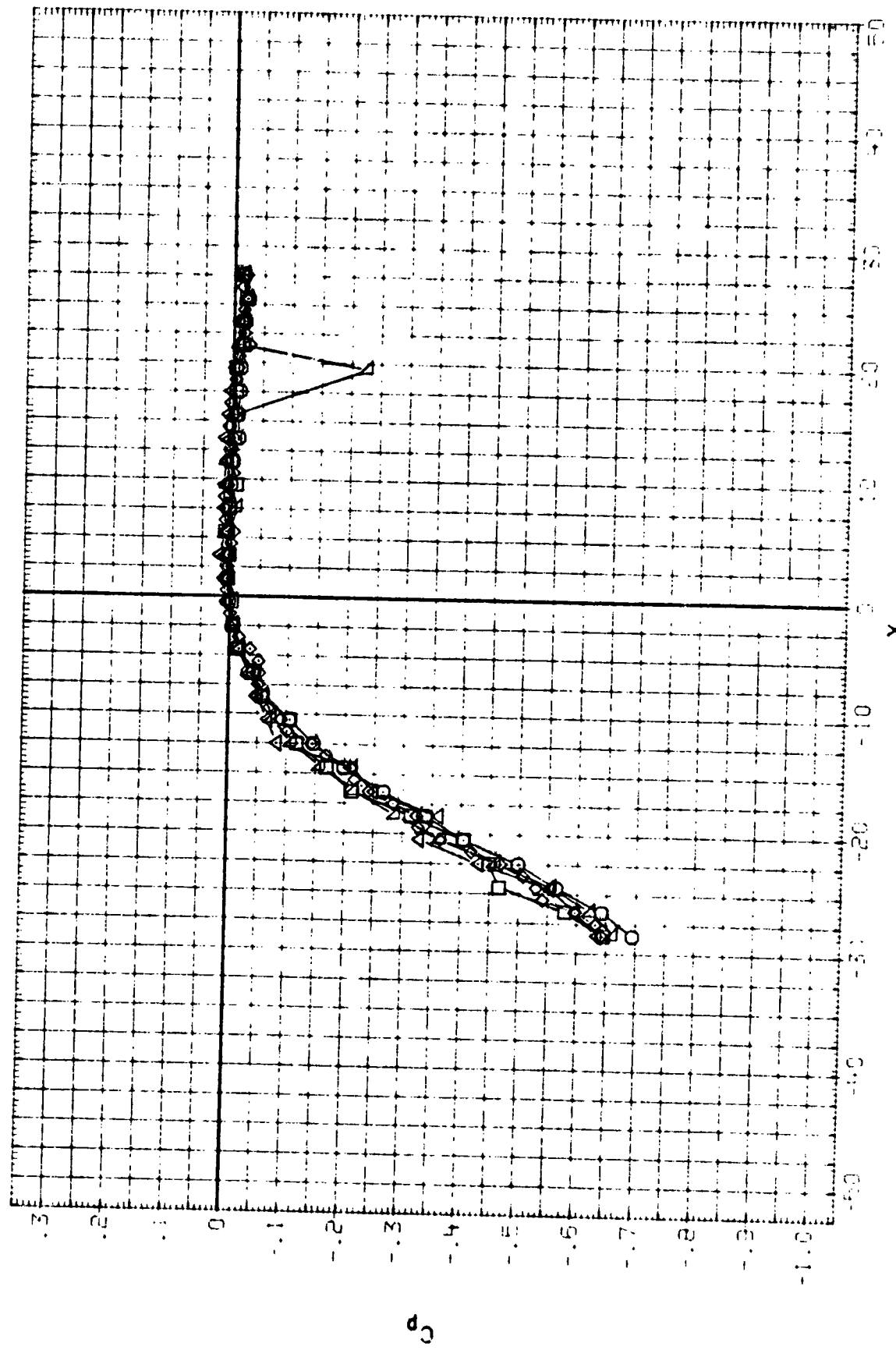


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP19) AMES 11-97-010 0S8A,B SF1 + PA3 + BRF

SYMBOL Y PT MACH

○ □ △

-13.500
-6.500
-5.000
6.500
13.500

PT

12.290

MACH

.923

PARAMETRIC VALUES

12.280

PT

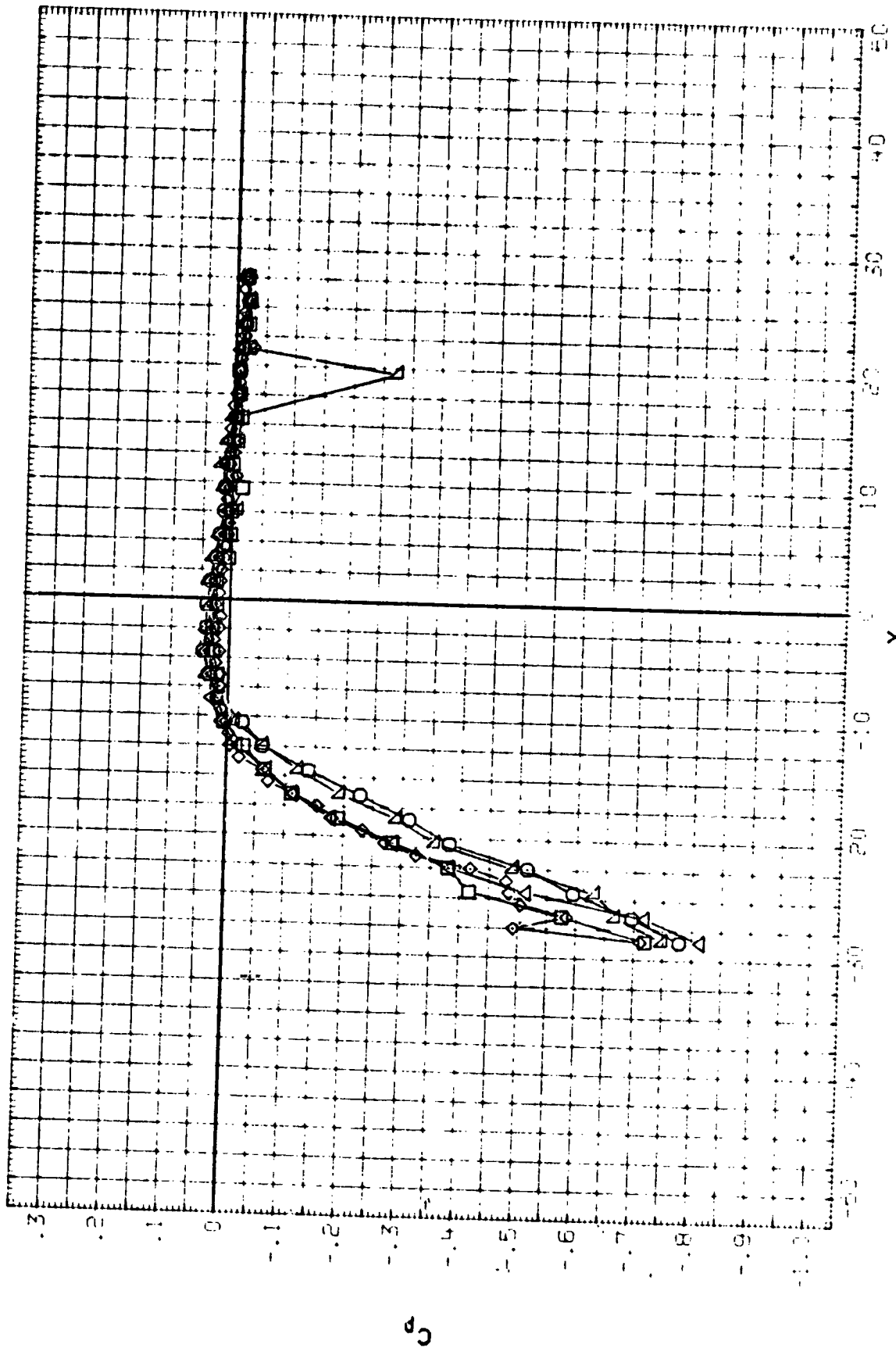


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

543 + 0.0

2.800

2.800

2.800

2.800

2.800

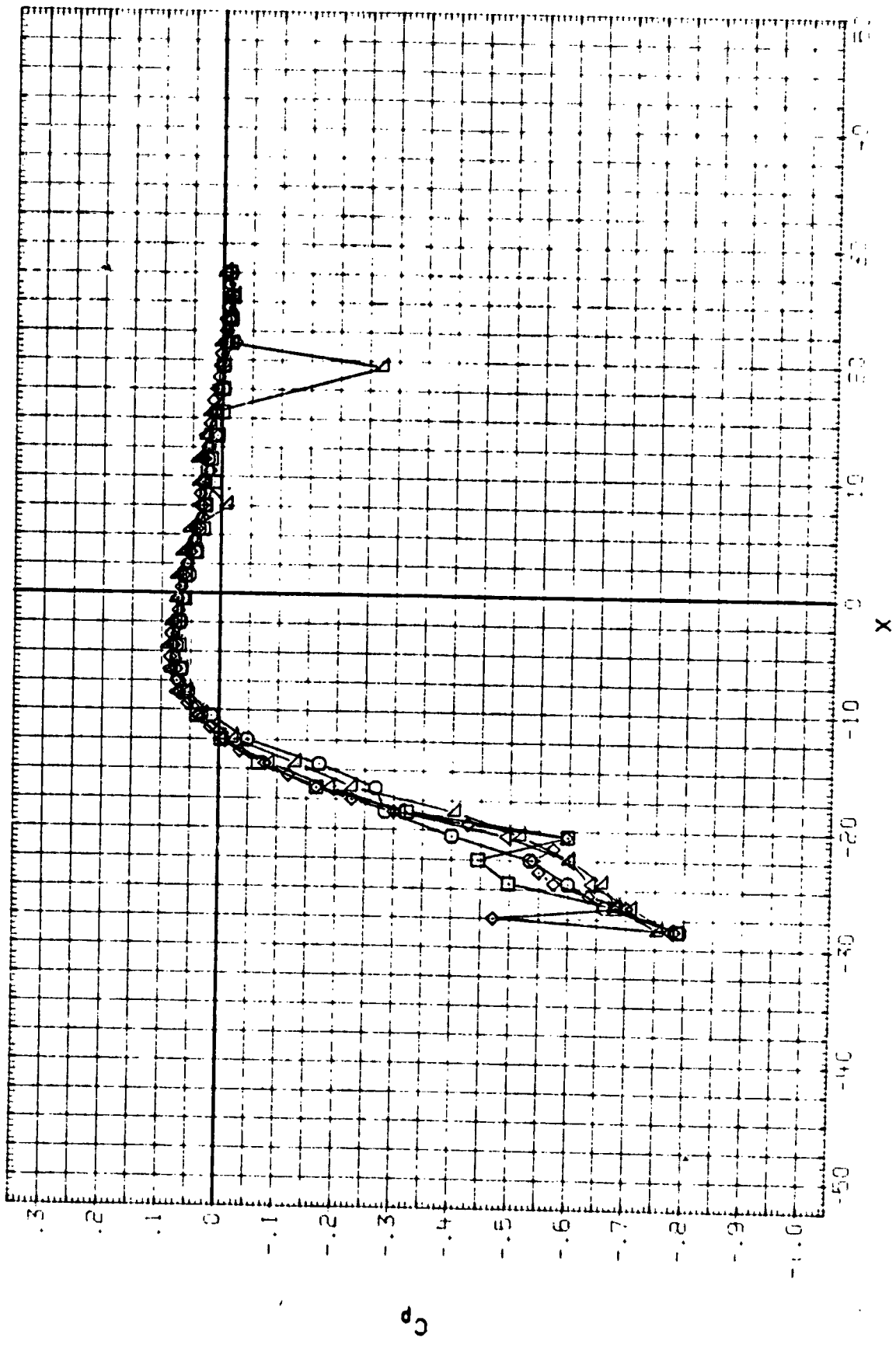


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 0S8A,B SF1 + PA3 + BRP

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

P: MACH
 12.290 .702

PARAMETRIC VALUES
 PT 12.280

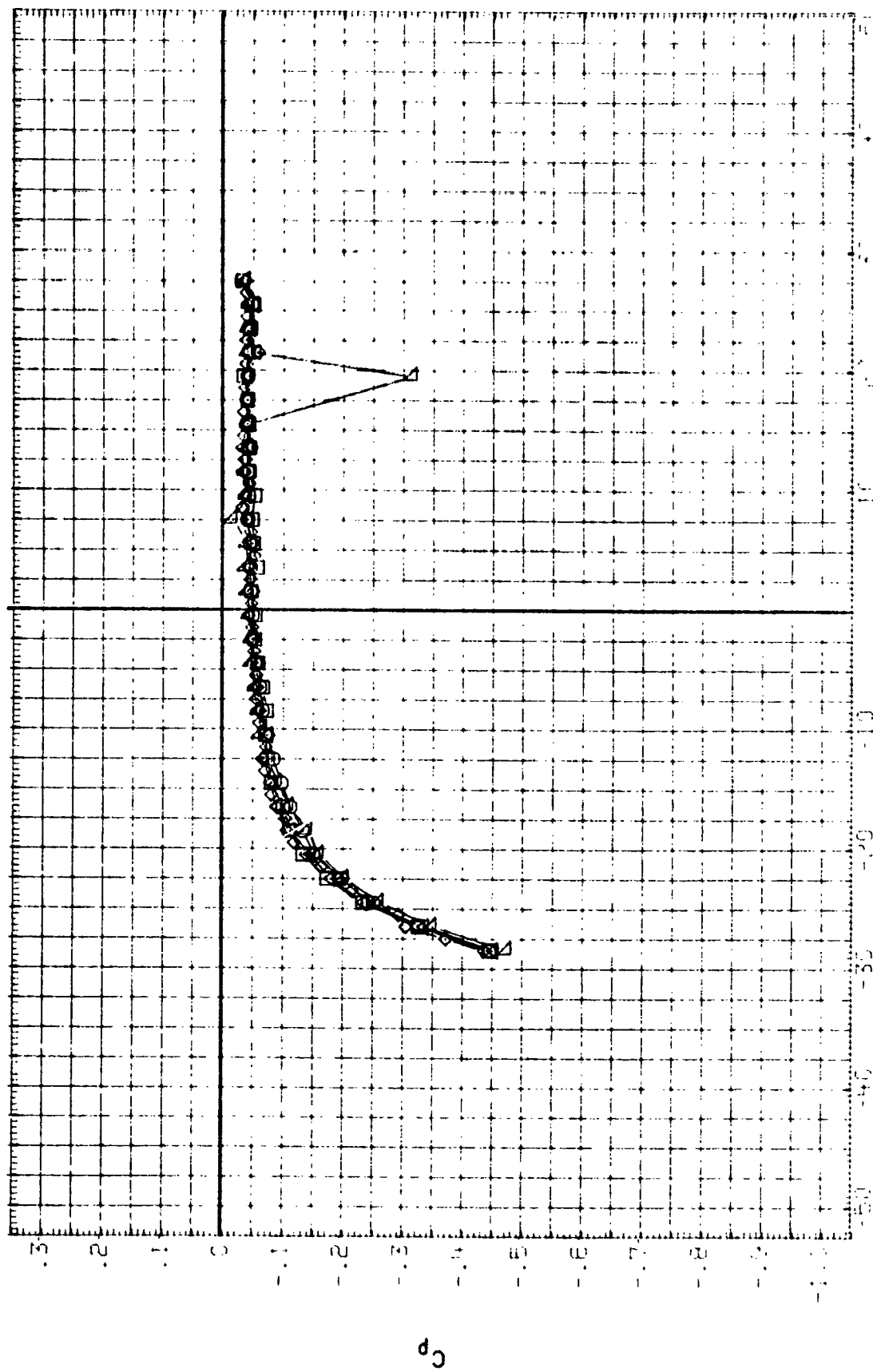


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 OS8A.B SF1 + PA3 + BRF

PARAMETRIC VALUES
PT 12.80

11ACH .755

PT 12.290

SYMBOL Y
-13.500
-6.500
-5.500
6.500
13.500

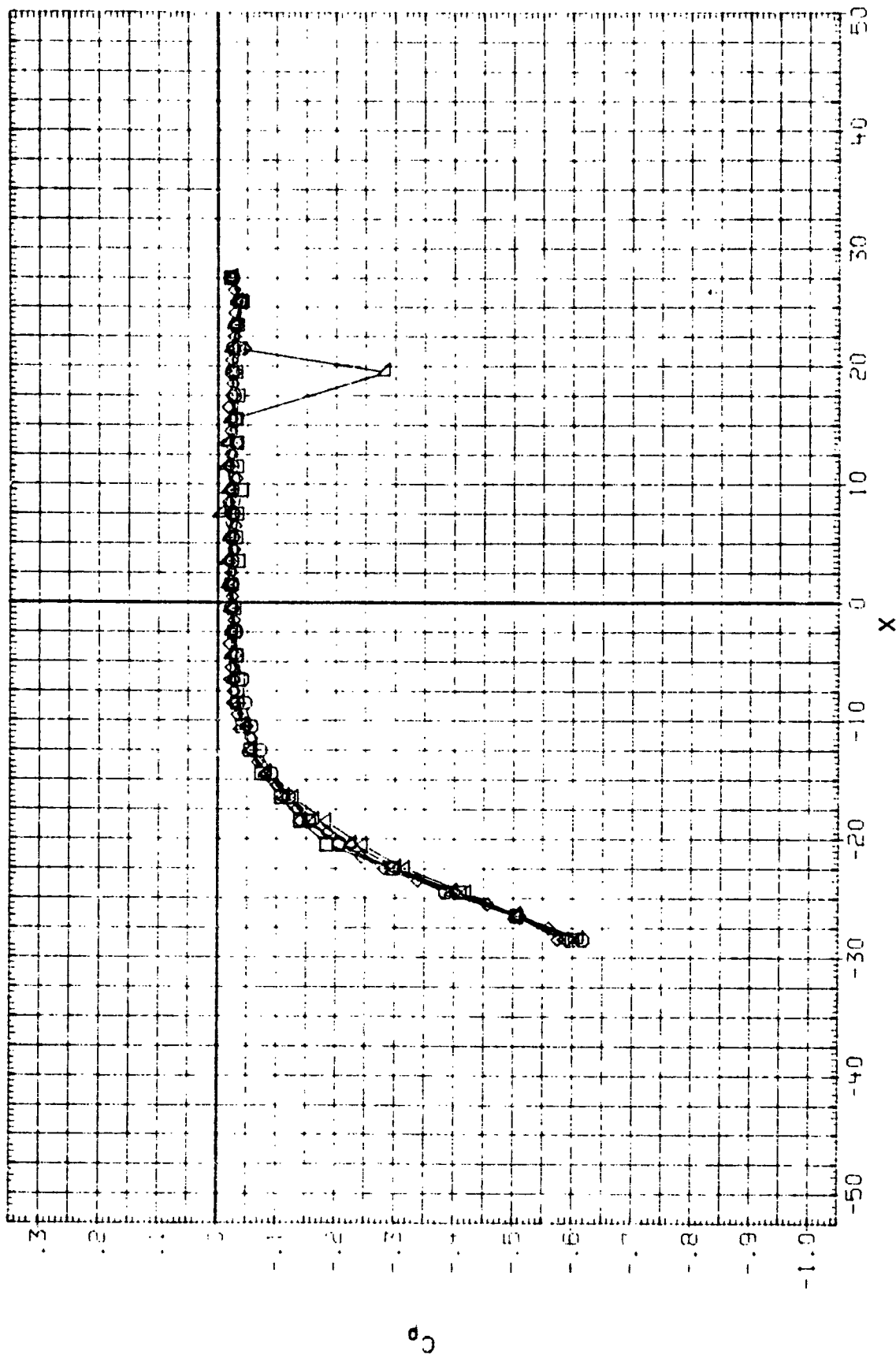


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 OS8A.8 SF1 + PA3 + BRP

PARAMETRIC VALUES

12.280

PT

MACH

.801

PT

12.290

-13.500

-6.500

-500

6.500

13.500

SYMBOL

□

◇

△

○

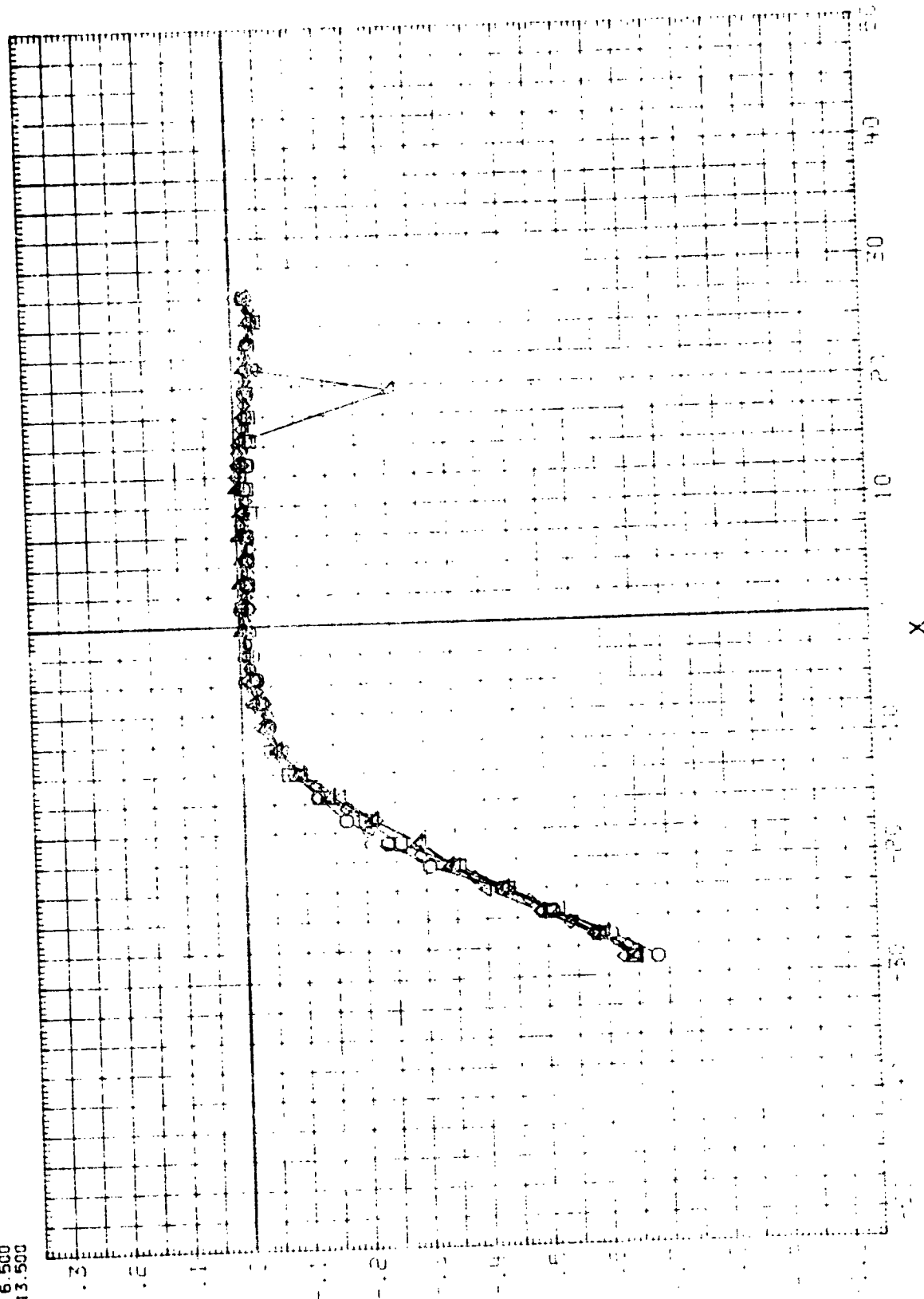


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 OS8A.B SF1 + PA3 + BRF

SYMBOL Y PT MACH B++
 -13.500
 -6.500
 -5.000
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

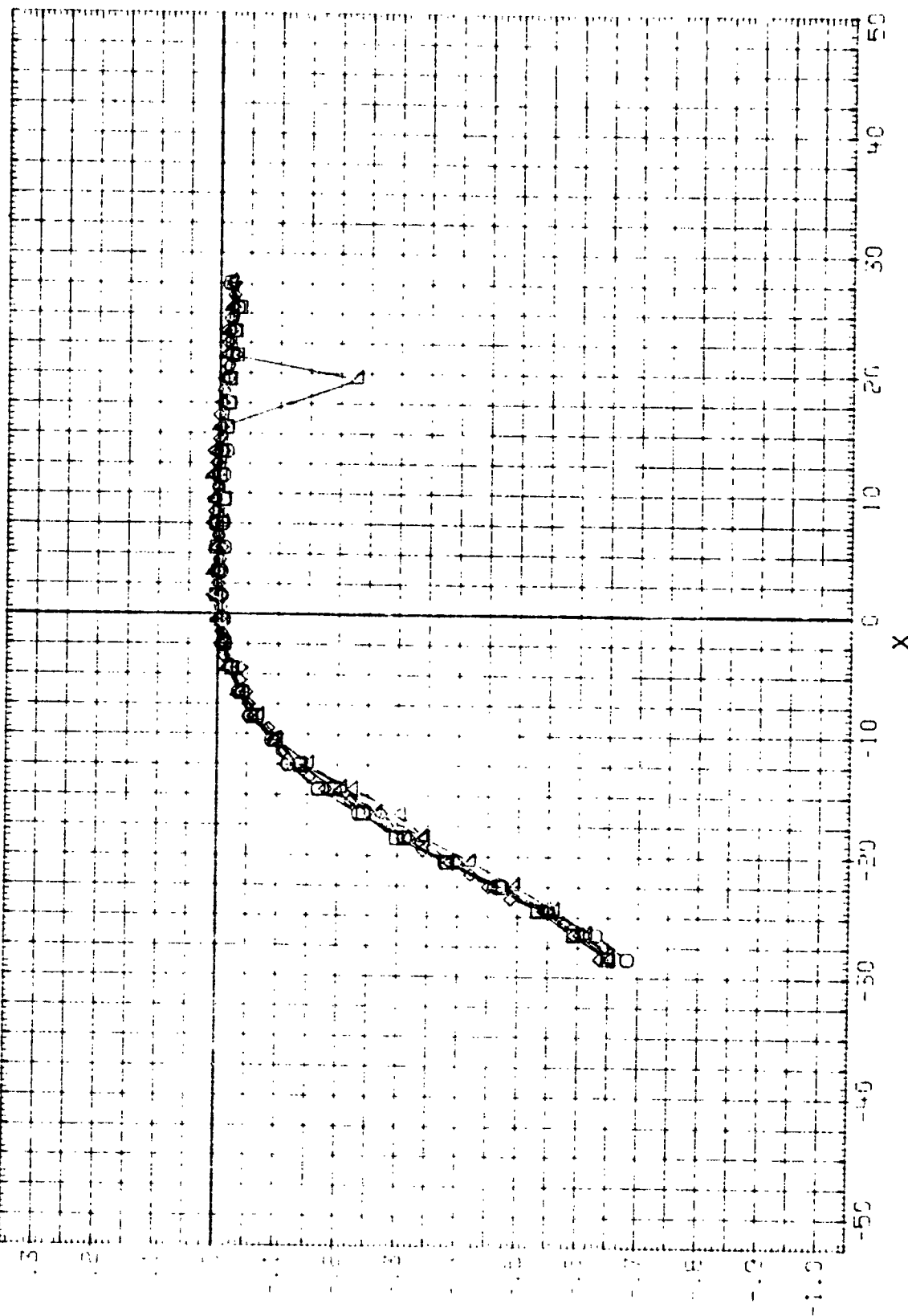


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 OS8A.B SF1 + PA3 + BRF

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 12.290 .892

PARAMETRIC VALUES
 PT 12.280

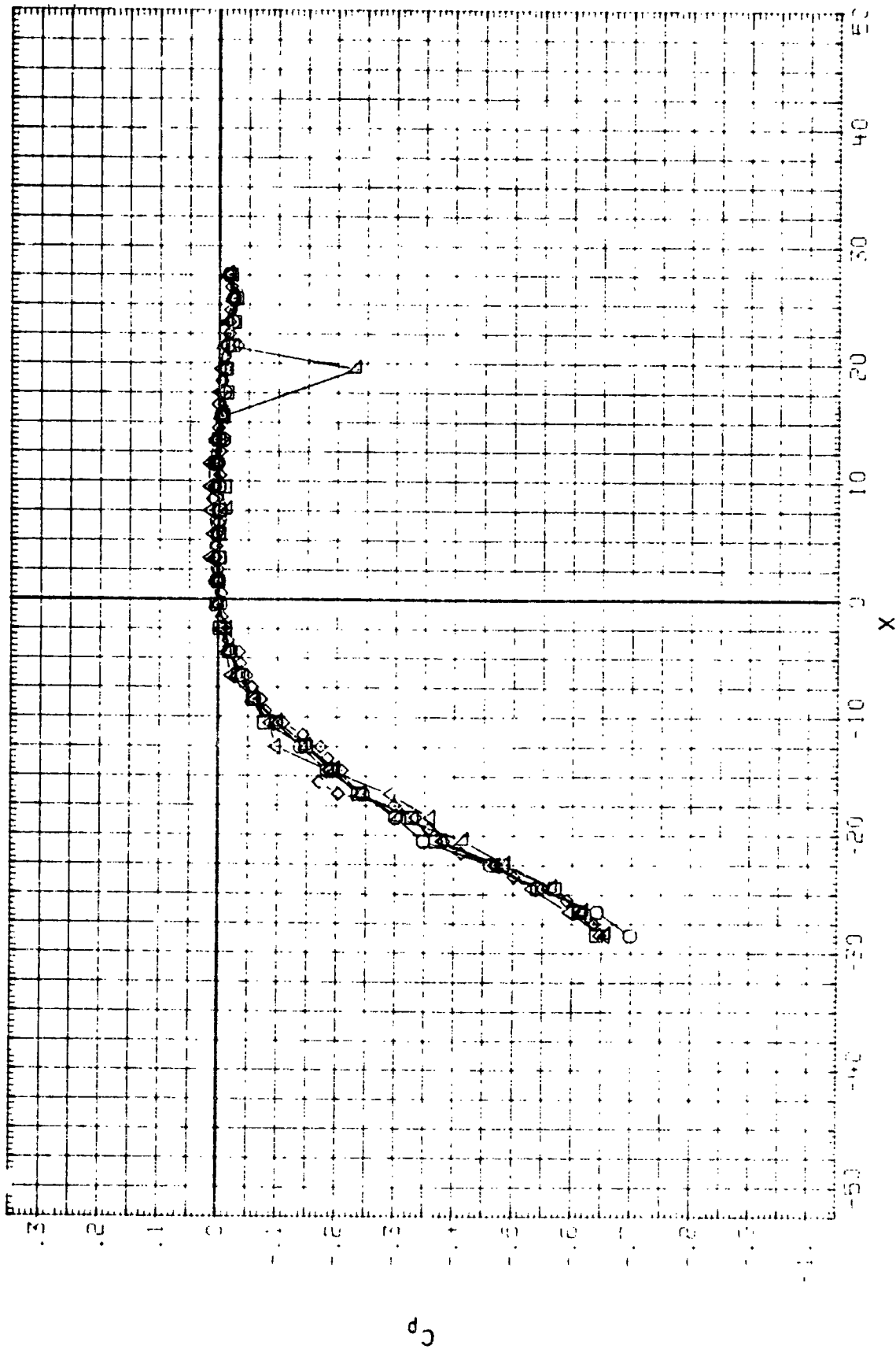


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

SYMBOL Y PT MACH
 -13.500
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

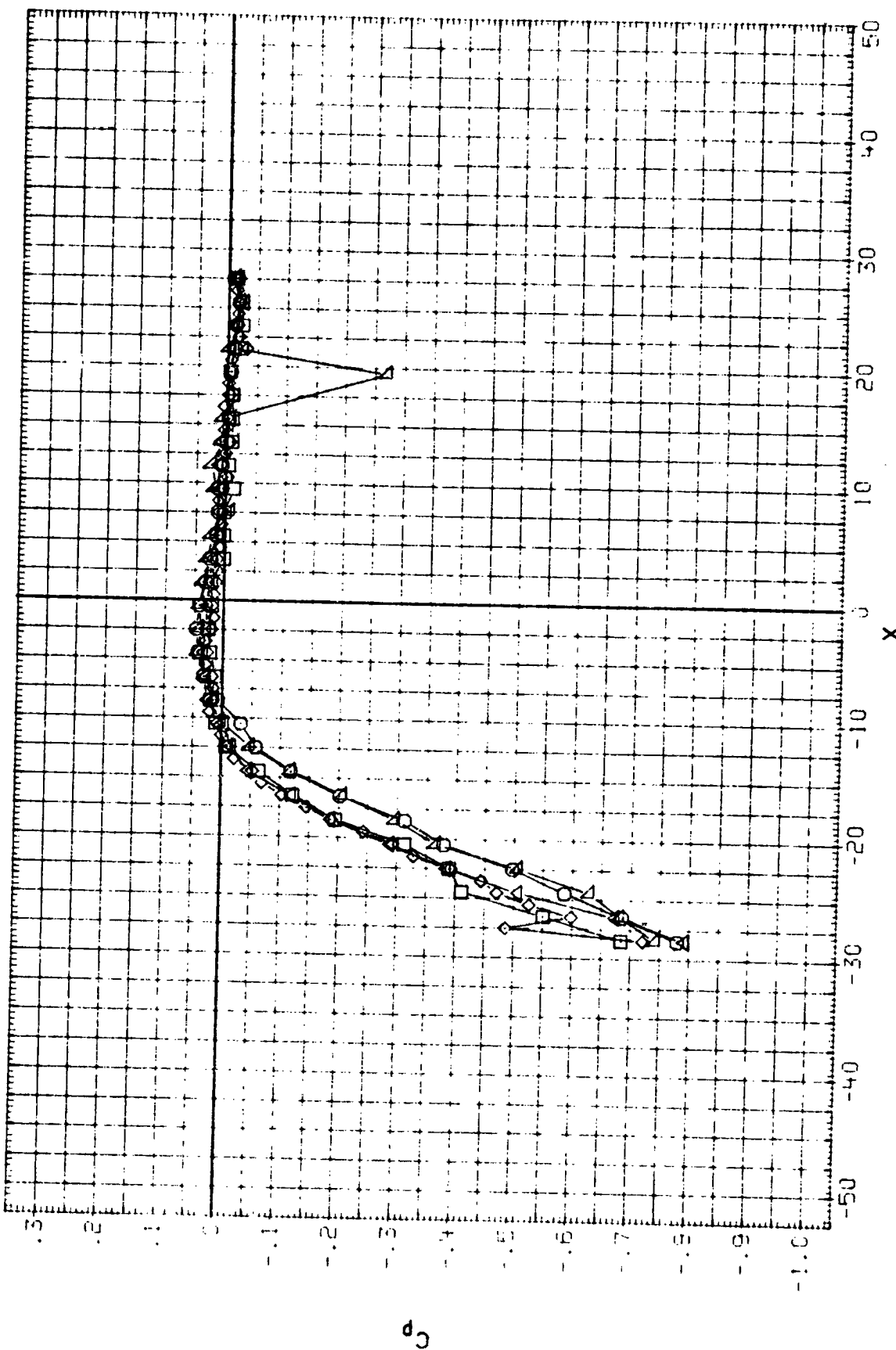


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP20) AMES 11-97-010 OS8A,B SF1 + PA3 + BR

PARAMETRIC VALUES
12.280

PT

MACH .961

PT 12.290

Y
-13.500
-6.500
-5.500
6.500
13.500

SYMBOL
□ ○ ◇ △

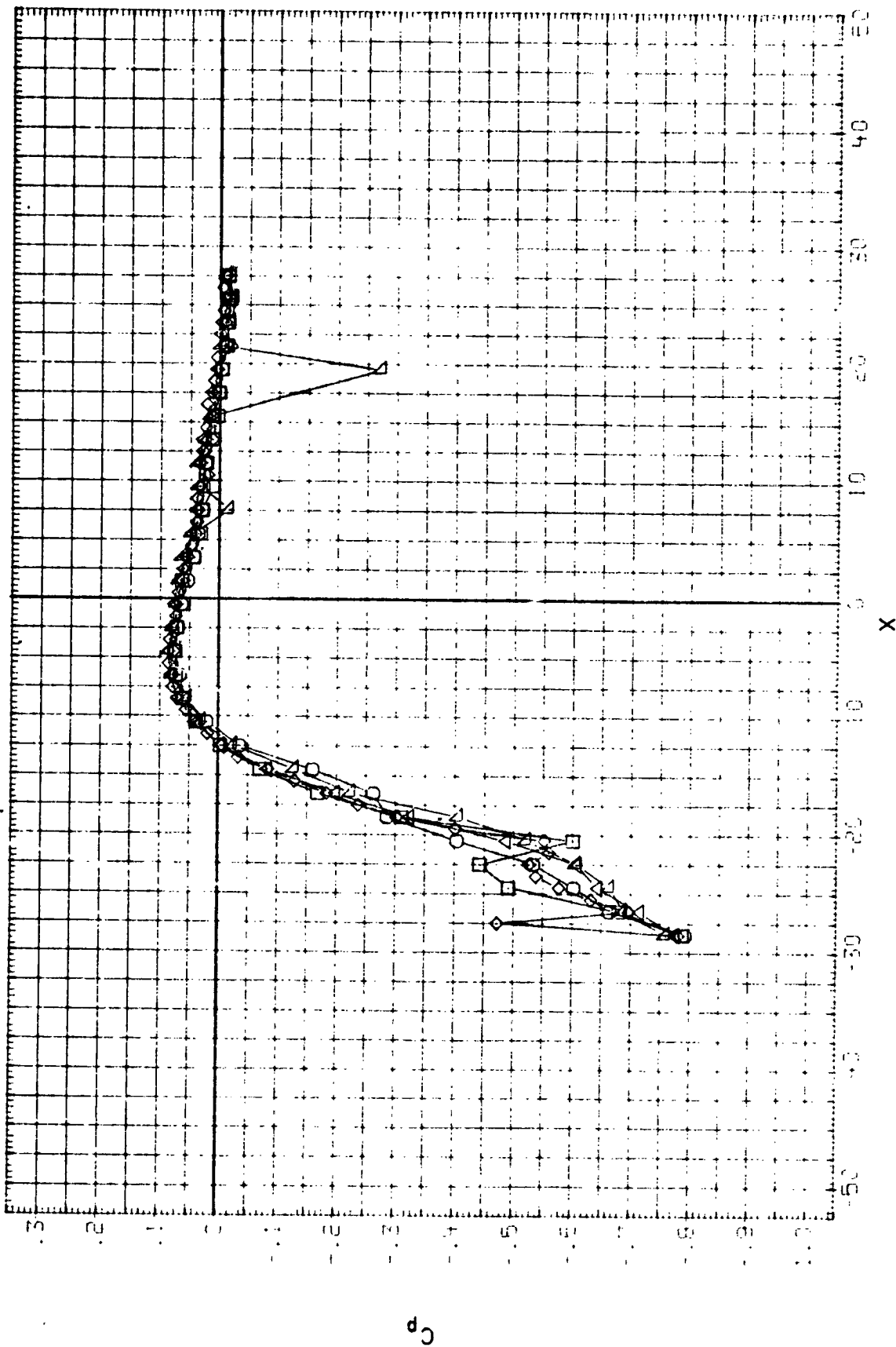


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP21) AMES 11-97-010 OS8A.B SF1 + PA3 + BR

Symbol Y PT MACH
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 12.280

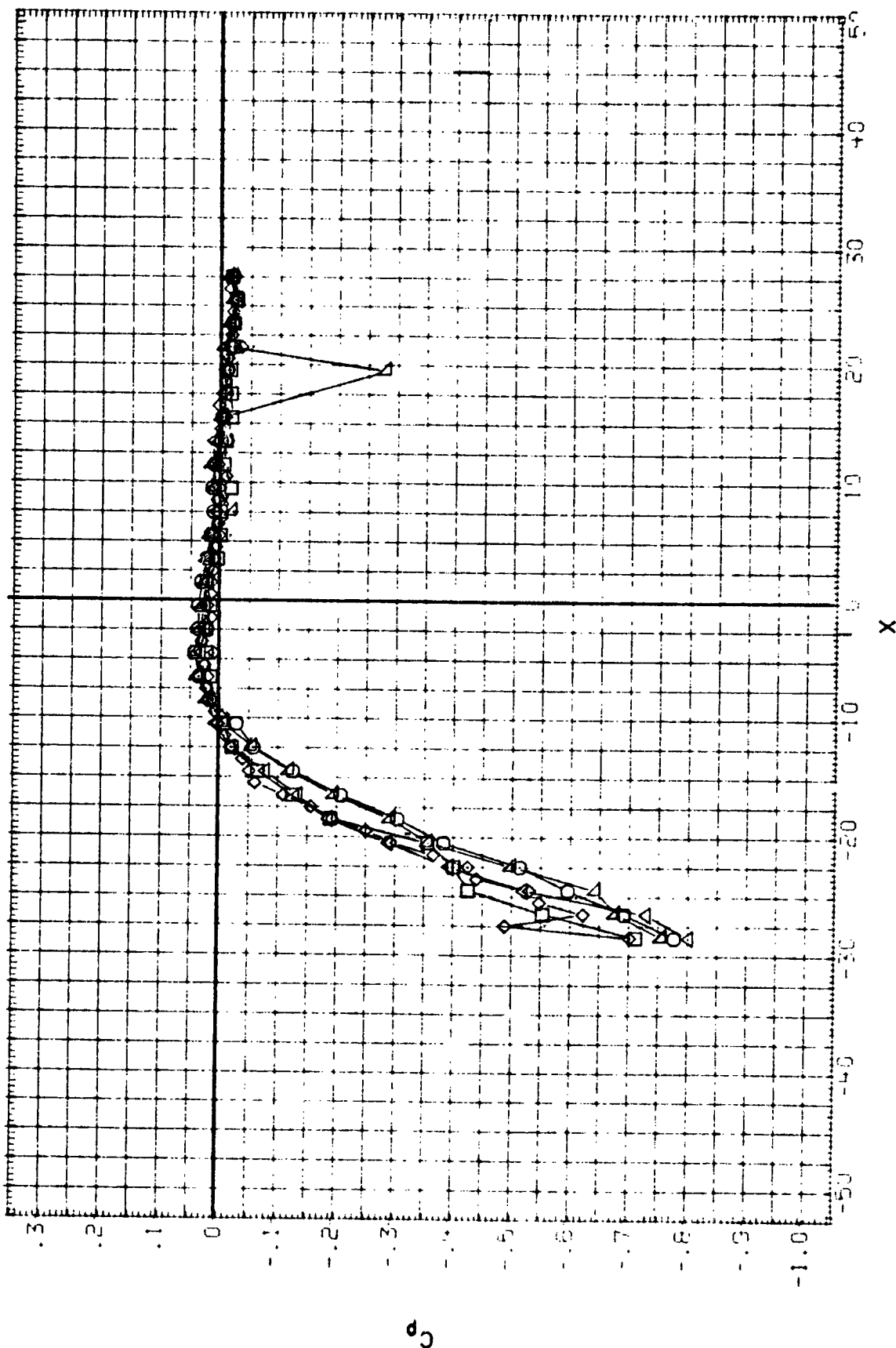


FIG. 24 STATIC SURFACE PRESSURES - DUMMY PANEL - EXPANSION SHOCK FIXTURE

(REXP27) AMES 11-97-010 OS8A,R SF2 + PA3 + BRF

SYMBOL	Y	PT	MACH	PARAMETRIC VALUES
○	-13.500	10.110	1.600	10.110 SF2
□	-6.500			
◇	-5.500			
△	6.500			
▽	13.500			

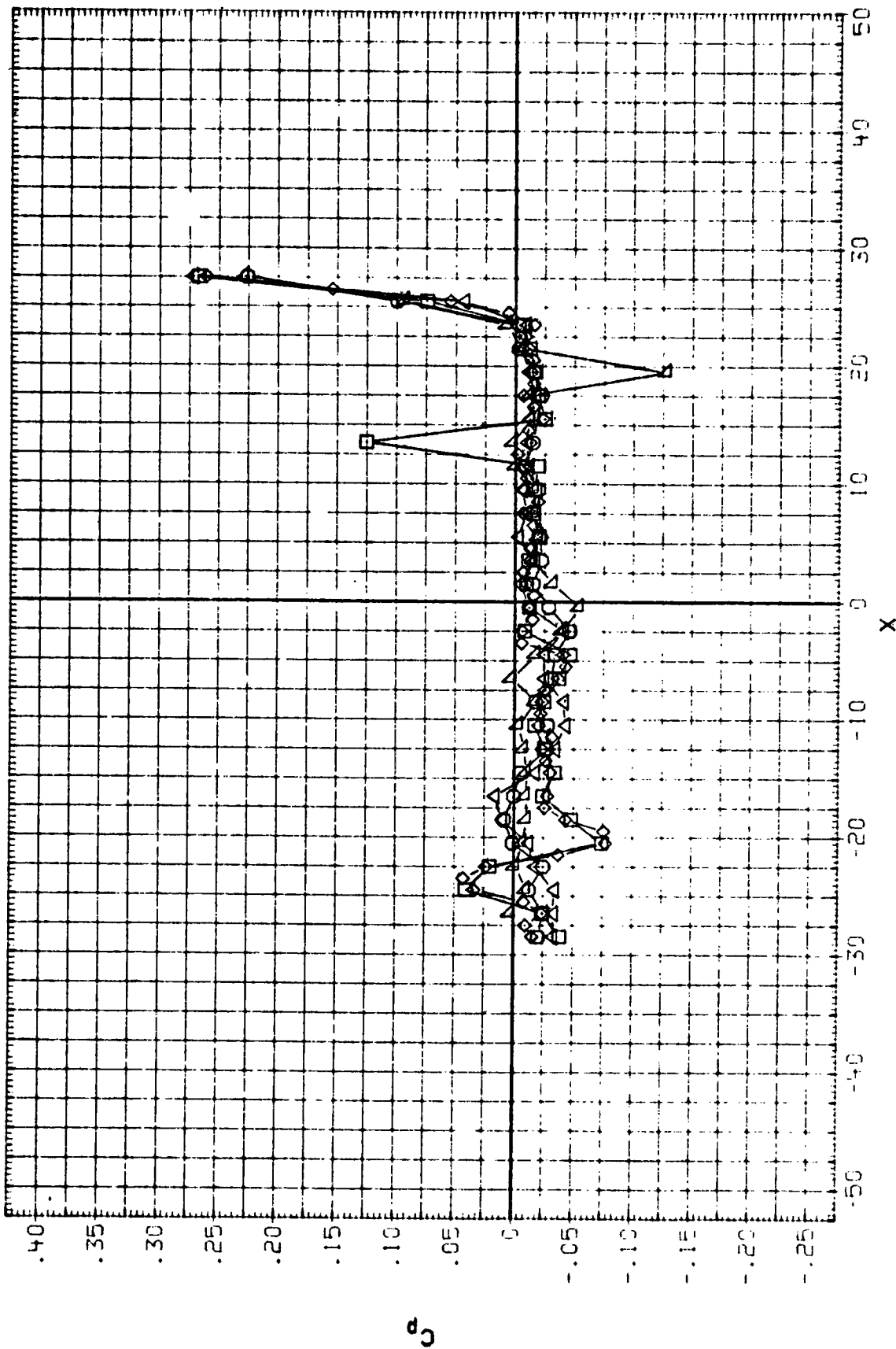


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP27) AMES 11-97-010 OS8A.B SF2 + PA3 + BRP

SYMBOL

Y
-13.500
-6.500
-5.500
6.500
13.500

PT MACH
10.100 1.700

PARAMETRIC VALUES
10.110 SF2 .000

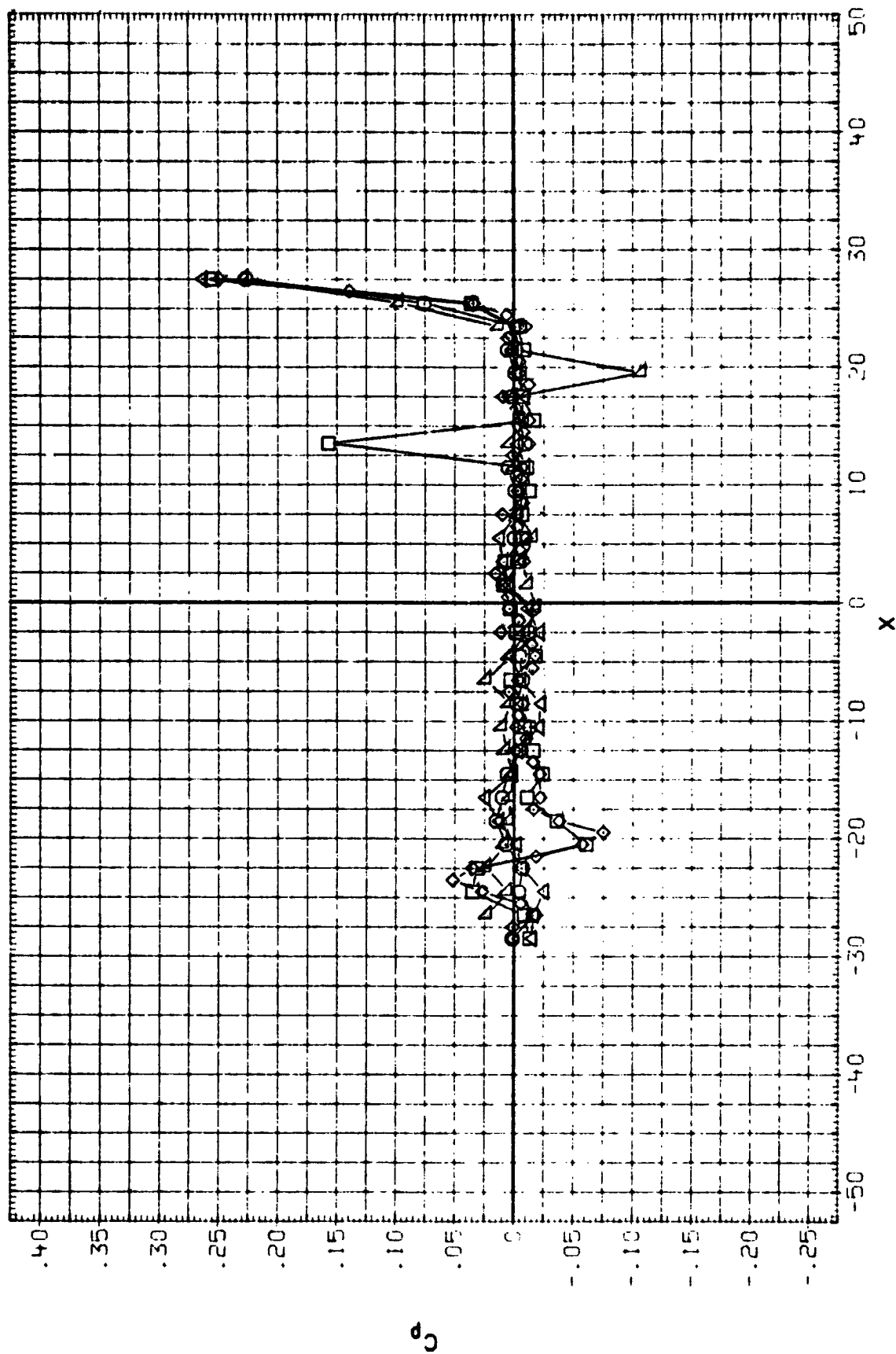


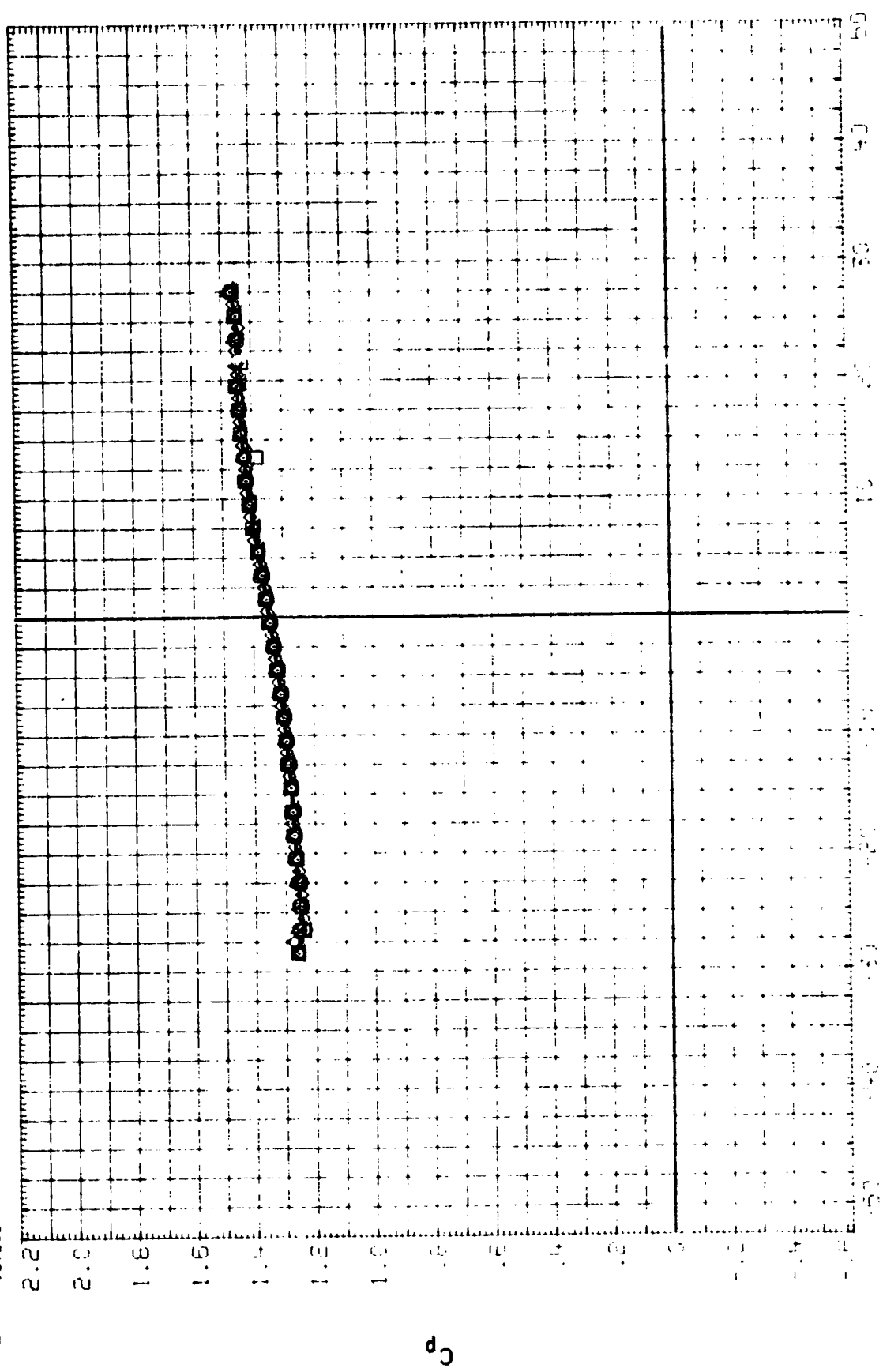
FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP28) AMES 11-97-010 OS8A.B SF2 + PA3 + BRF

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT 10.110 MACH 1.600

PT 10.110 SF2 85.000



X

FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP28) AMES 11-97-010 OS8A,B SF2 + PA3 + BRP

PARAMETRIC VALUES
PT 10.110 SF2 65.000

SYMBOL Y PT MACH
-13.500
-6.500
-1.500
6.500
13.500

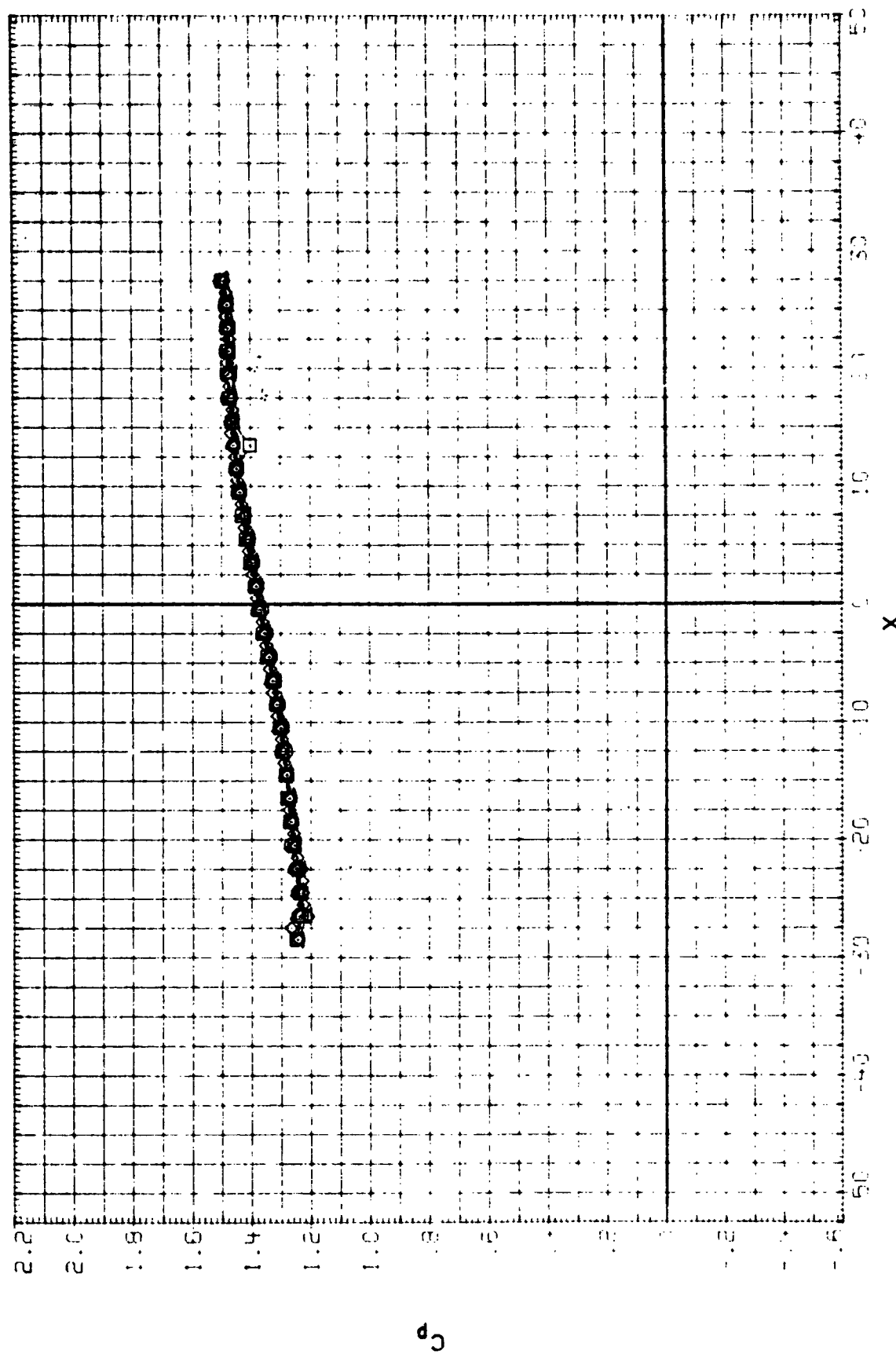


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYNTH
00004

PT 10.100 MACH 1.599

PARAMETRIC VALUES
PT 10.110 SF2 .000

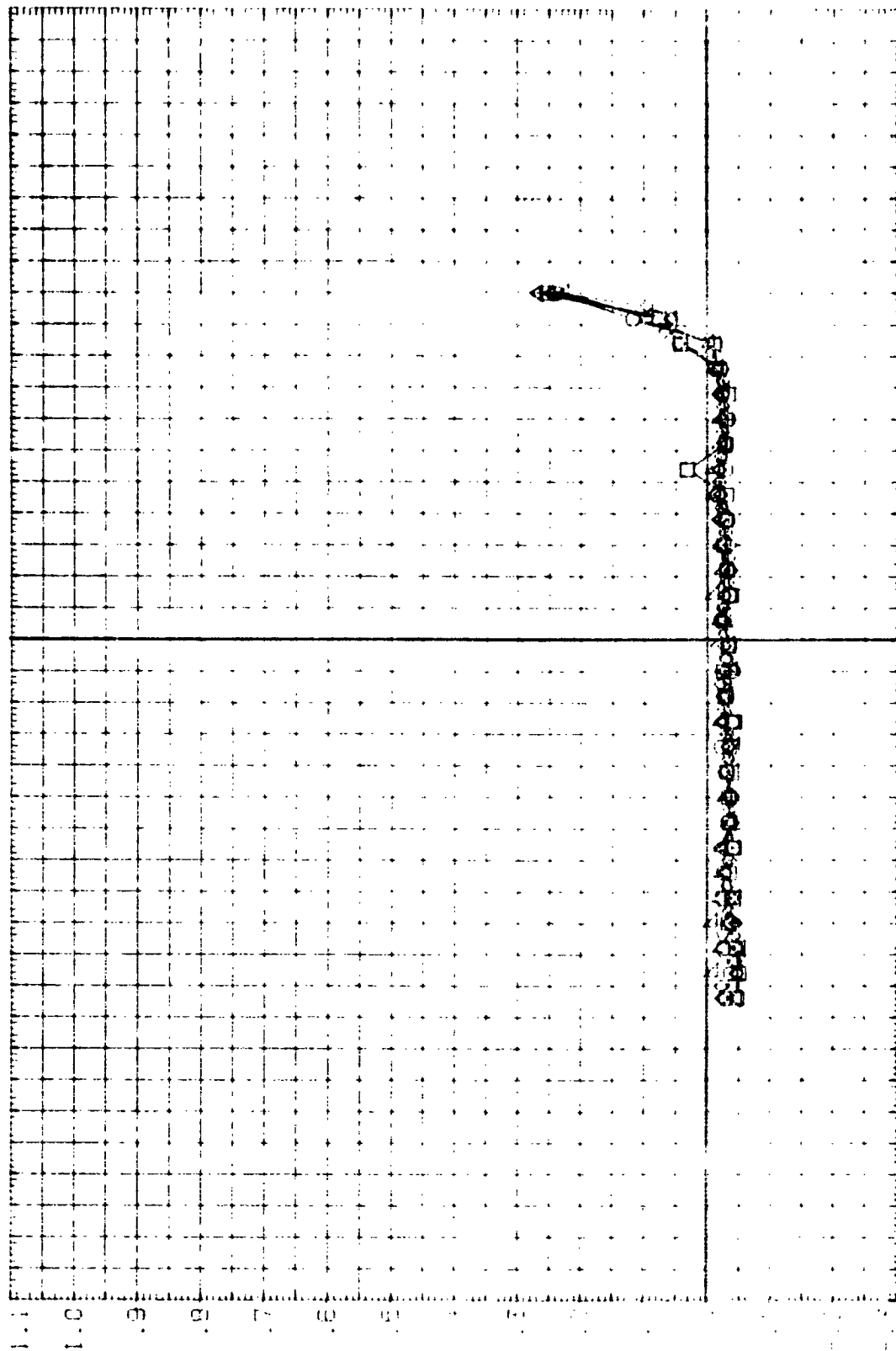


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL Y PY MACH
 -13.500
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 PT 10.110 SF2 000

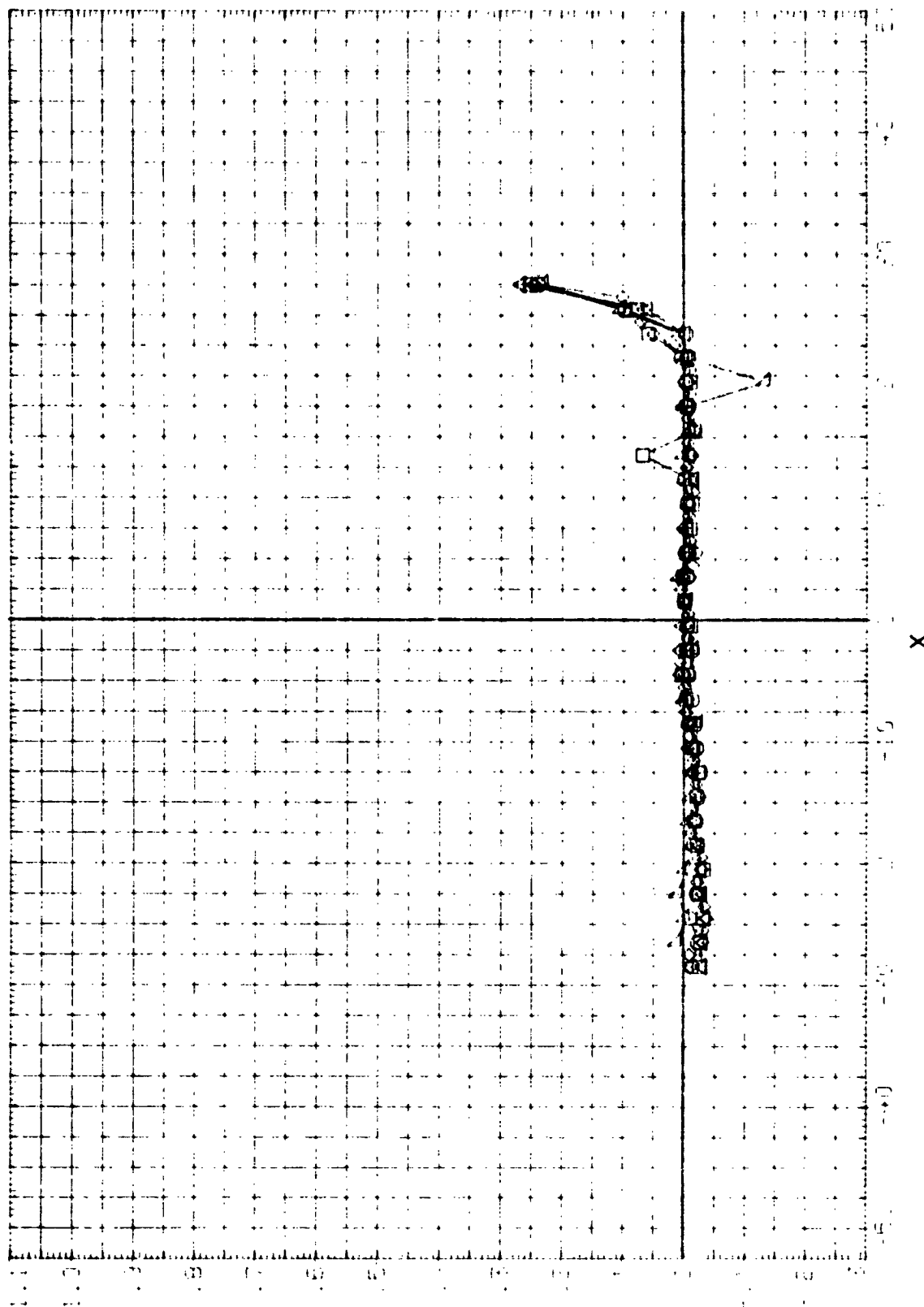


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

SYMBOL	Y	PT	MACH	PARAMETRIC VALUES
	-13.500	10.100	1.800	PT
	-6.500			10.110
	-5.500			SF2
	6.500			.000
	13.500			

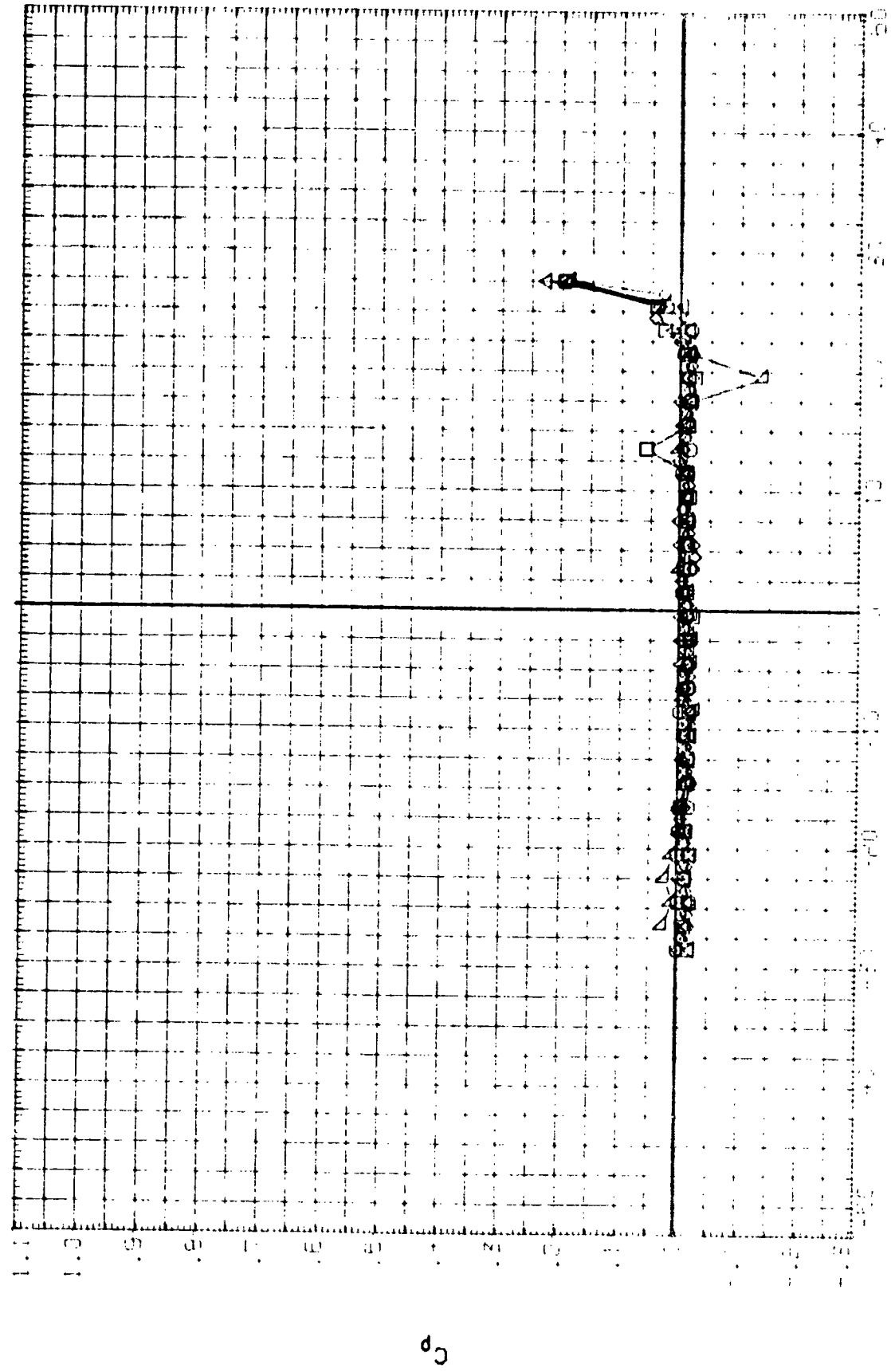


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL	PT	MACH
□	10.100	1.900
◇	10.110	1.900
△	10.110	1.900
▽	10.110	1.900

PARAMETRIC VALUES
PT 10.110 SF2 .000

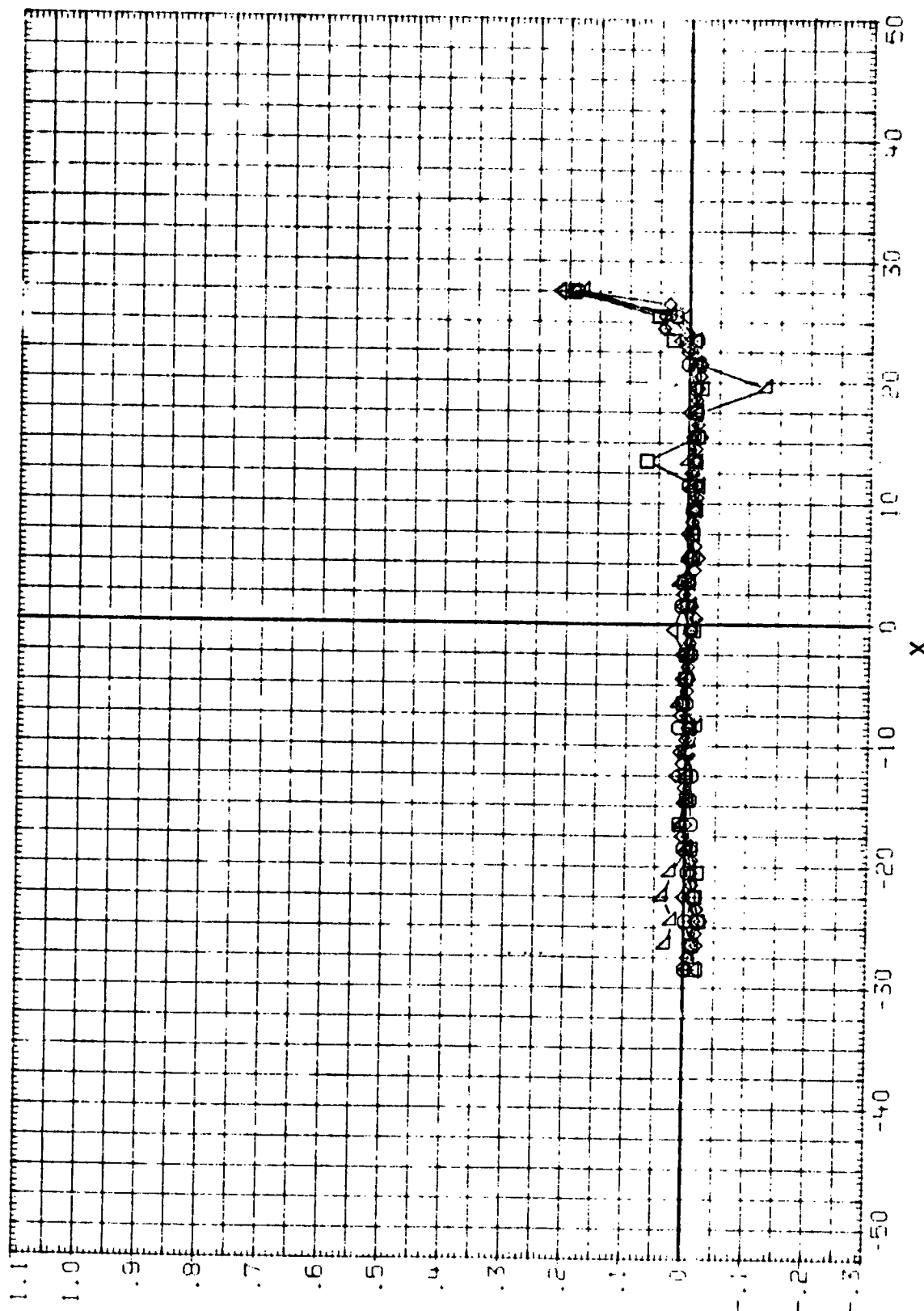


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT 10.090
 MACH 2.000

PARAMETRIC VALUES
 10.110 SF2 .000

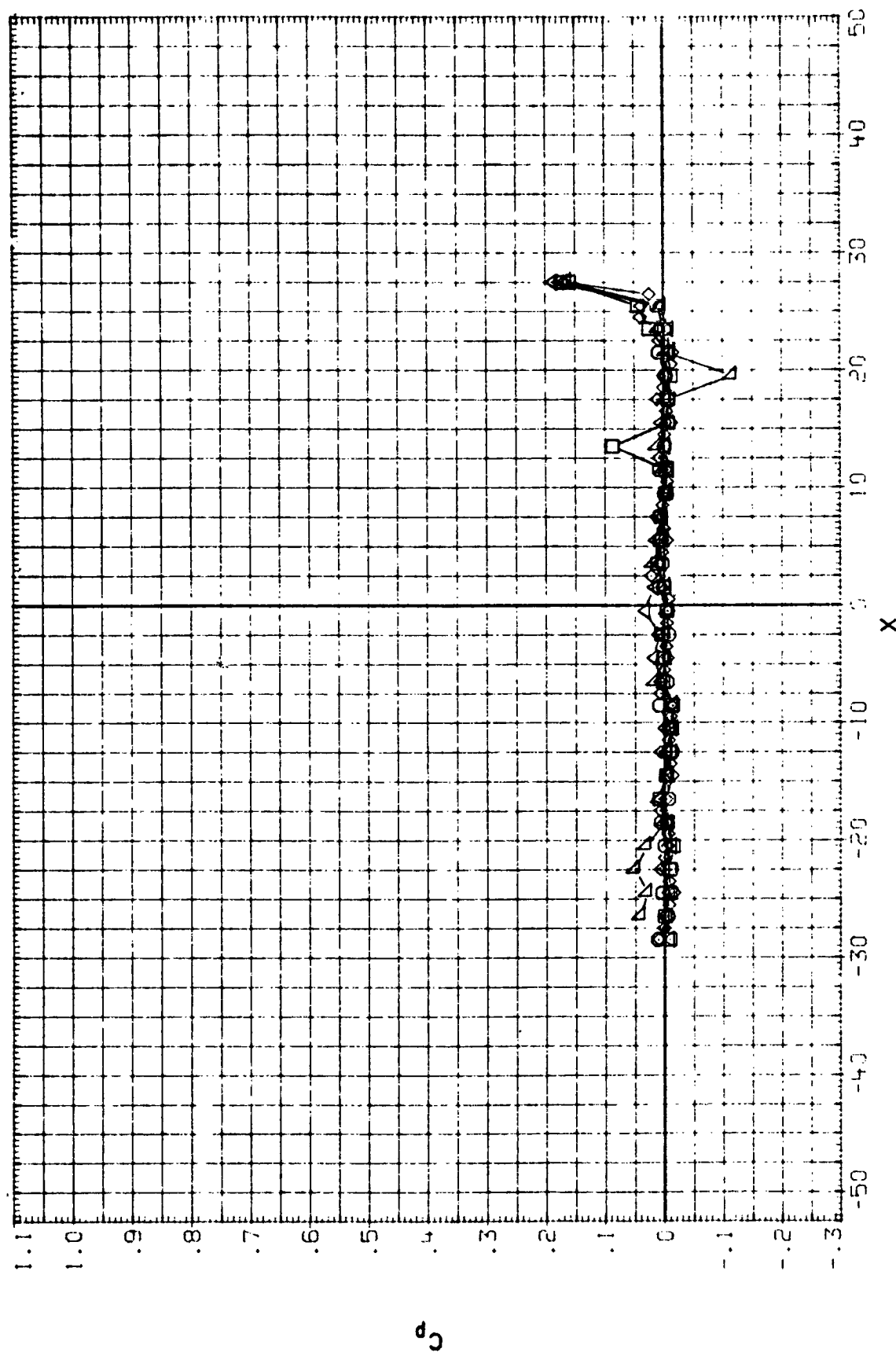


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 058A,B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 .000

PT 10.110 MACH 2.100

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

□ ◇ △

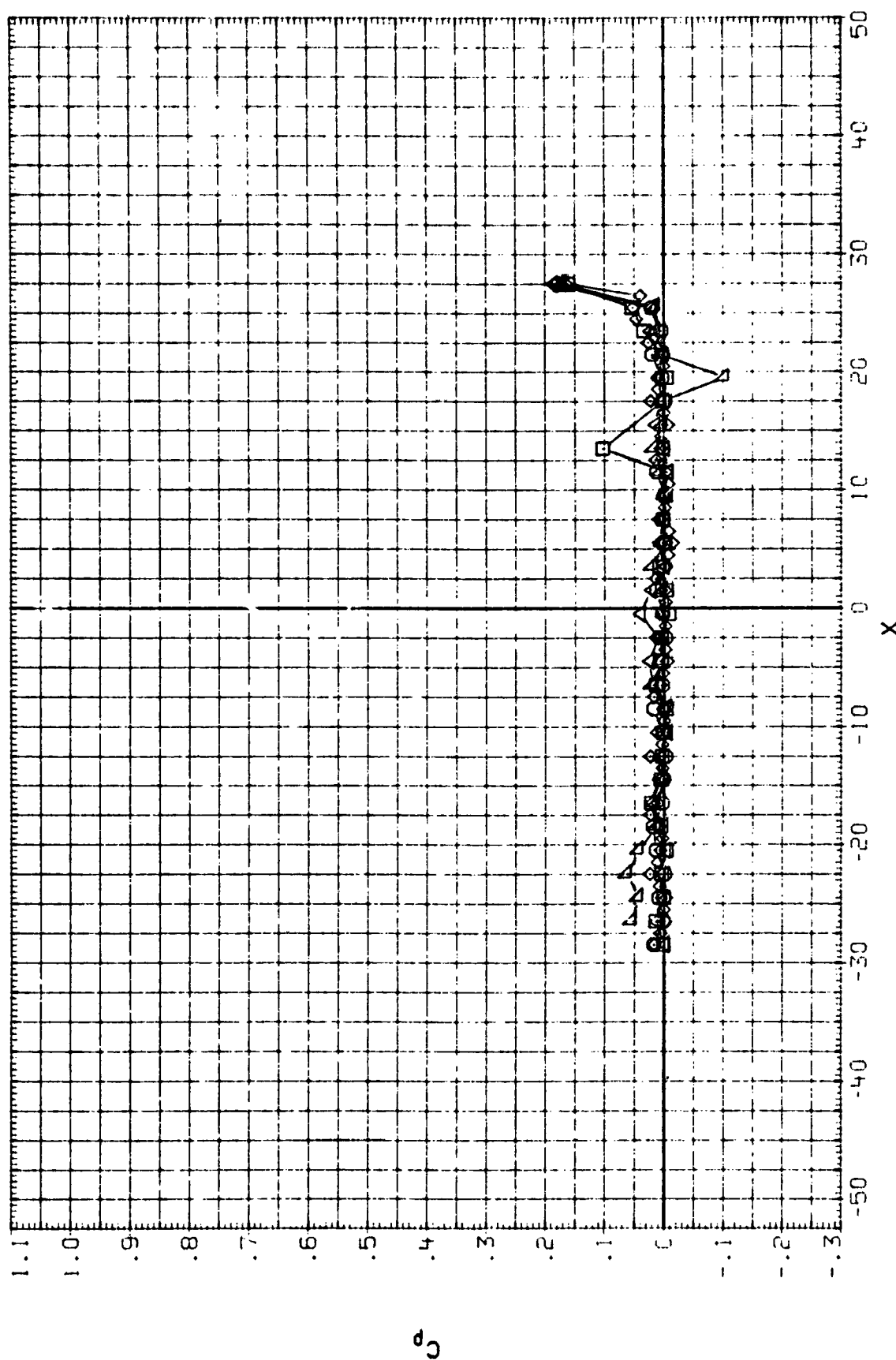


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 .000

MACH 2.200

SYMBOL Y
-13.500
-6.500
-500
6.500
13.500

□ ◇ △

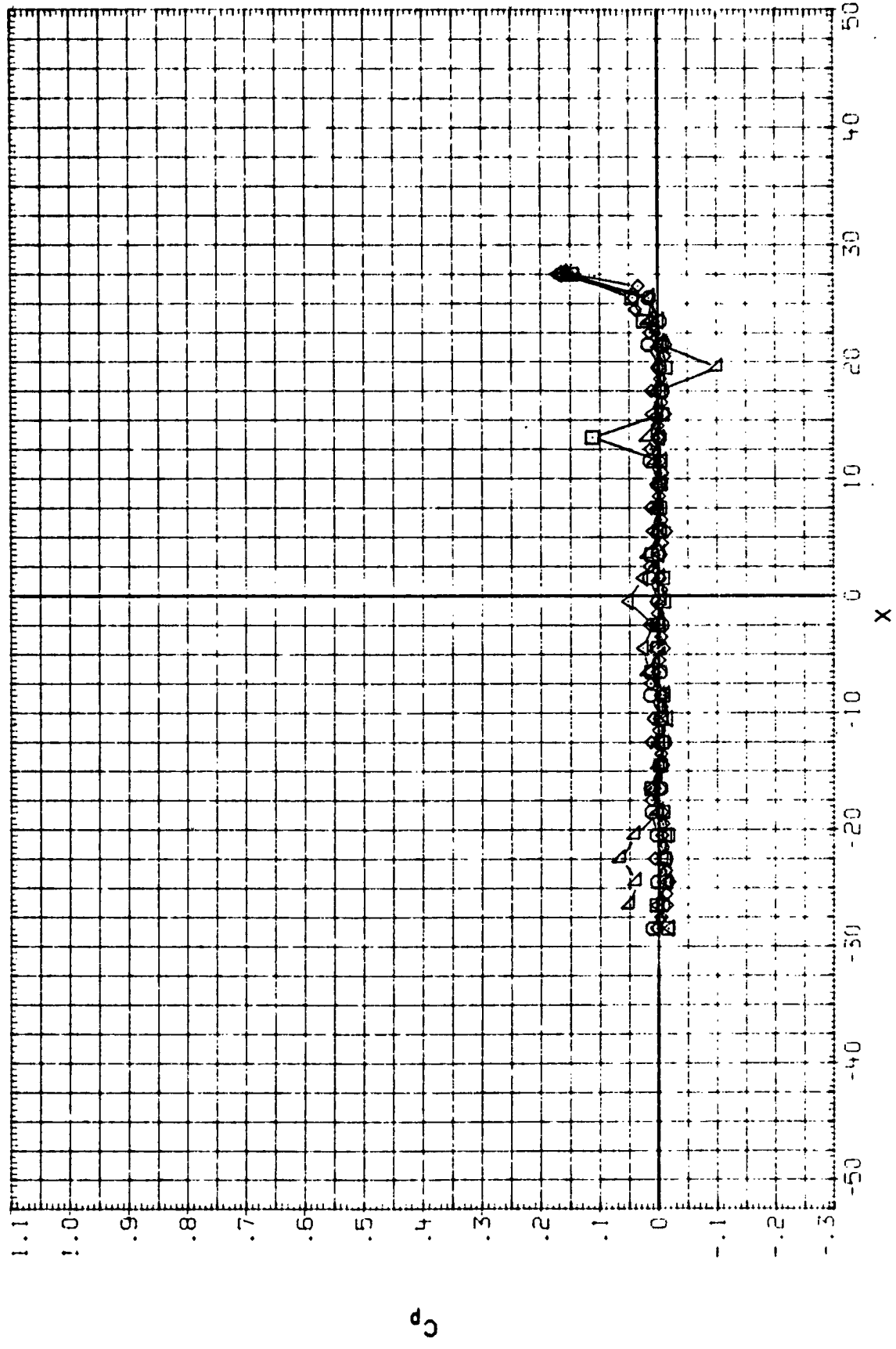


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA
 SYMBOL Y PT MACH
 -13.500 10.110 2.300
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 PT 10.110 SF2 .000

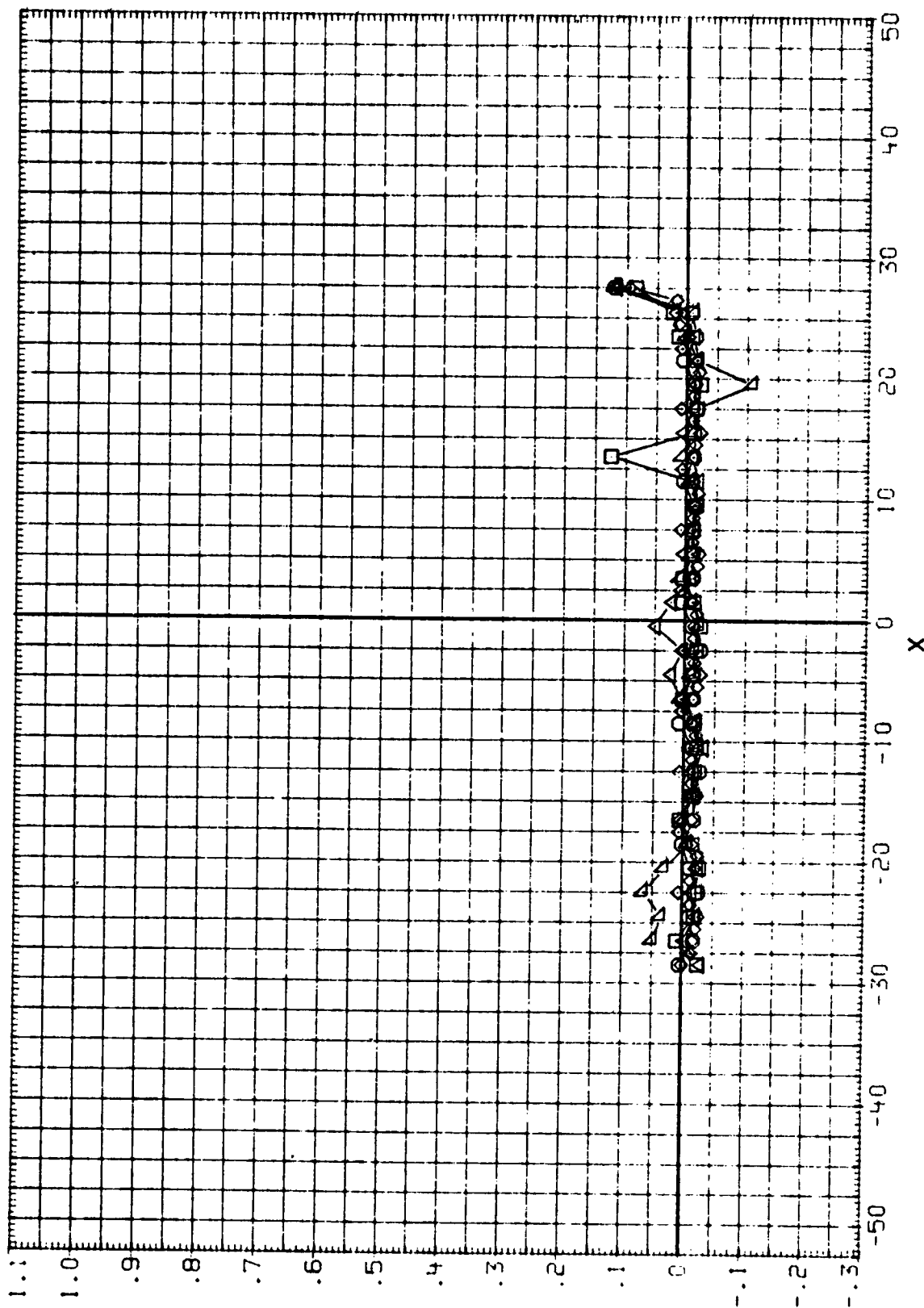


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA
 SYMBOL Y PT MACH
 -13.500 10.110 2.401
 -6.500
 -5.500
 6.500
 13.500

PT
 10.110
 SF2
 .000

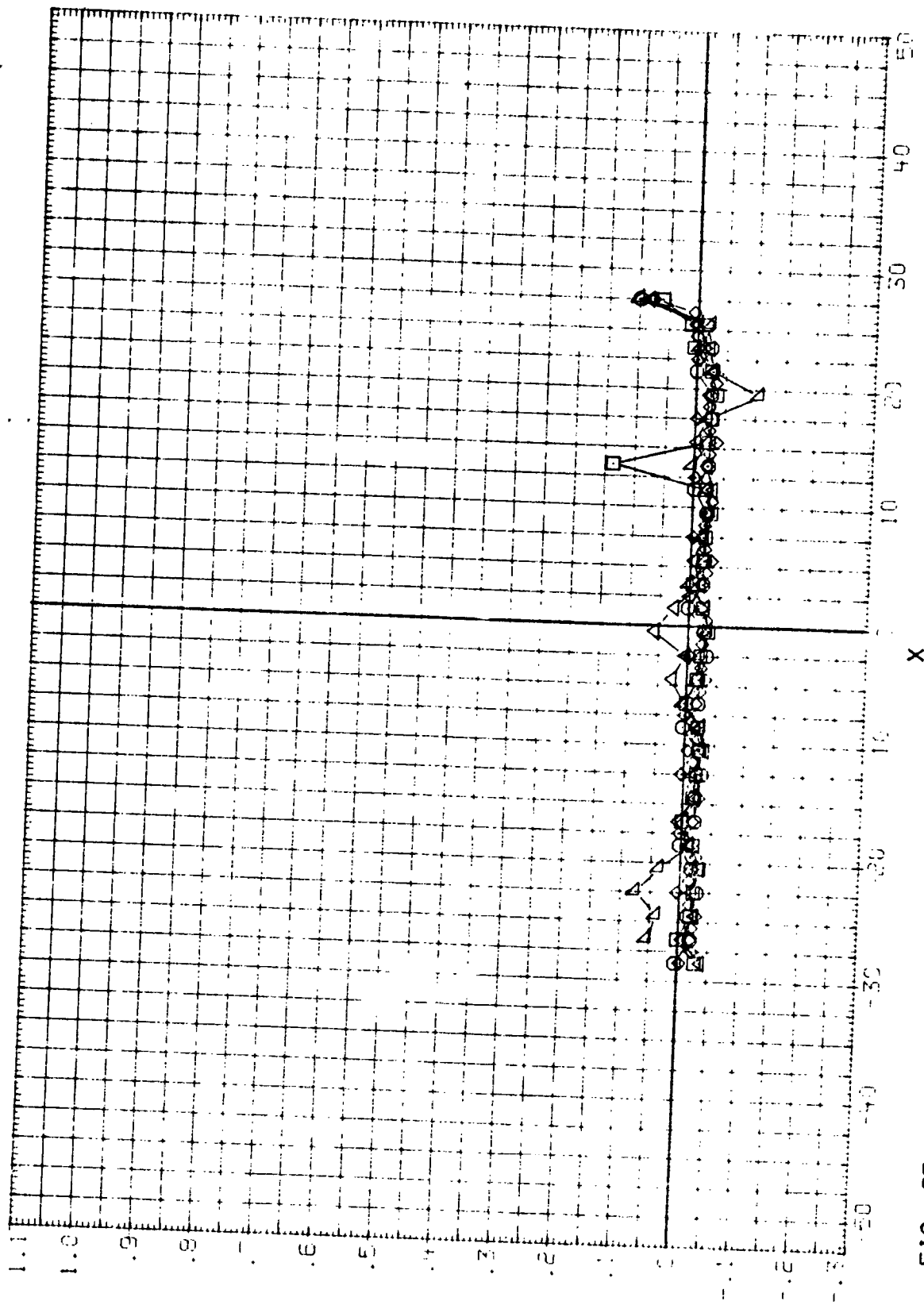


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP29) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL
-13.500
-6.500
-500
6.500
13.500

PT 10.100 MACH 2.505

PARAMETRIC VALUES
10.110 SF2 .000

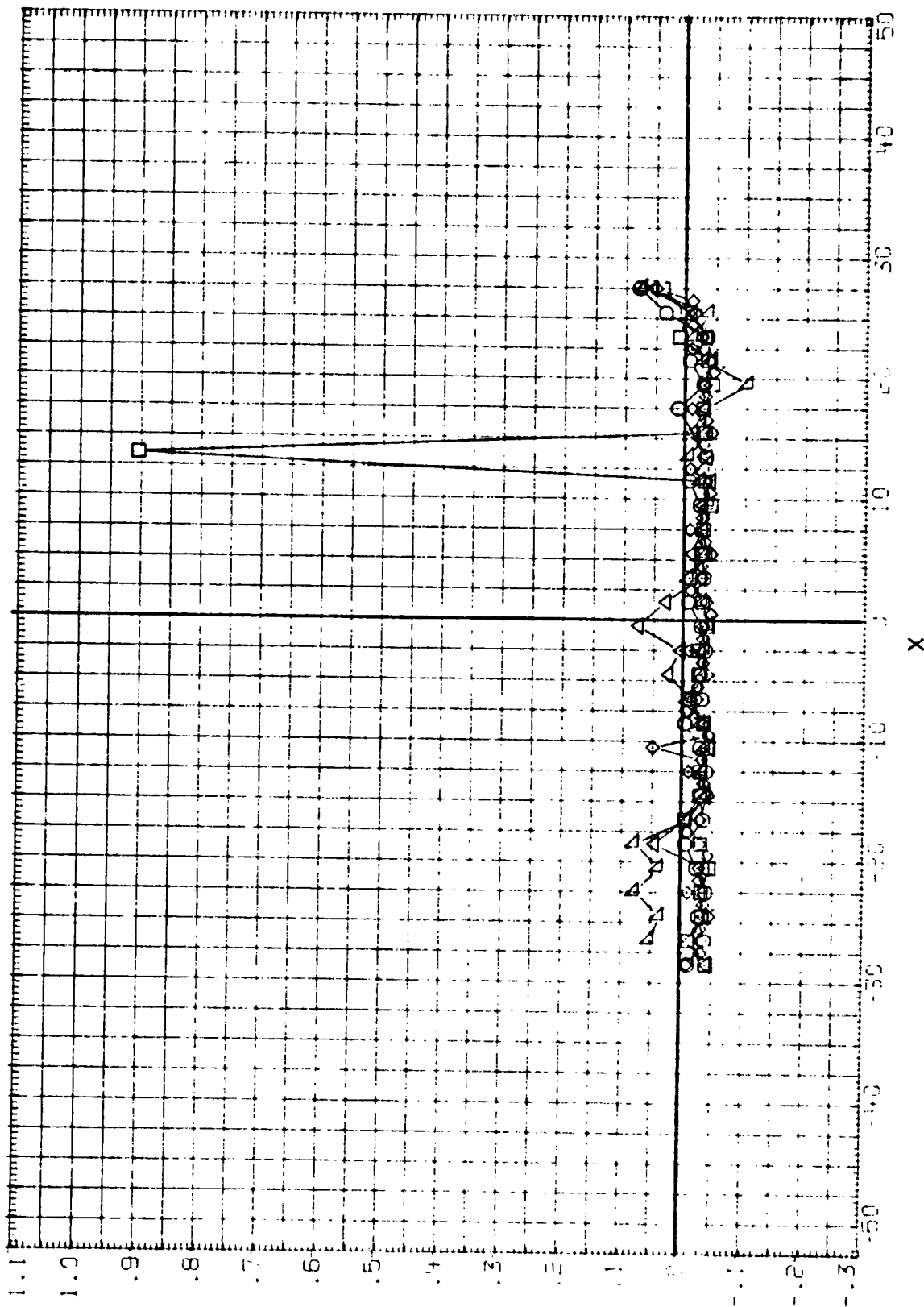


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE -

(REXP30) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT MACH
 10.100 1.599

PARAMETRIC VALUES
 10.110 SF2 85.000

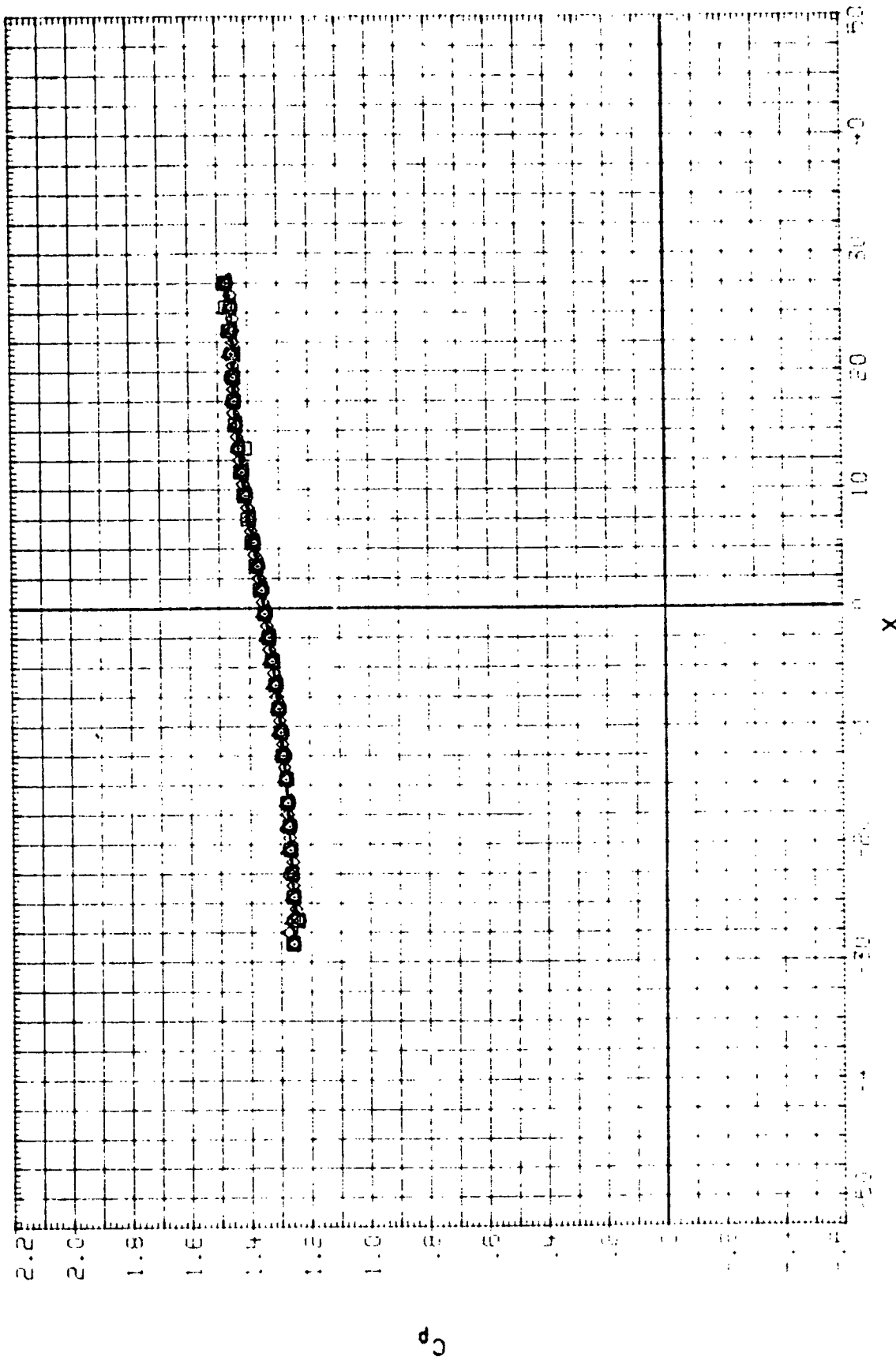


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PT MACH
 10.100 1.700

PT PARAMETRIC VALUES
 10.110 SF2 85.000

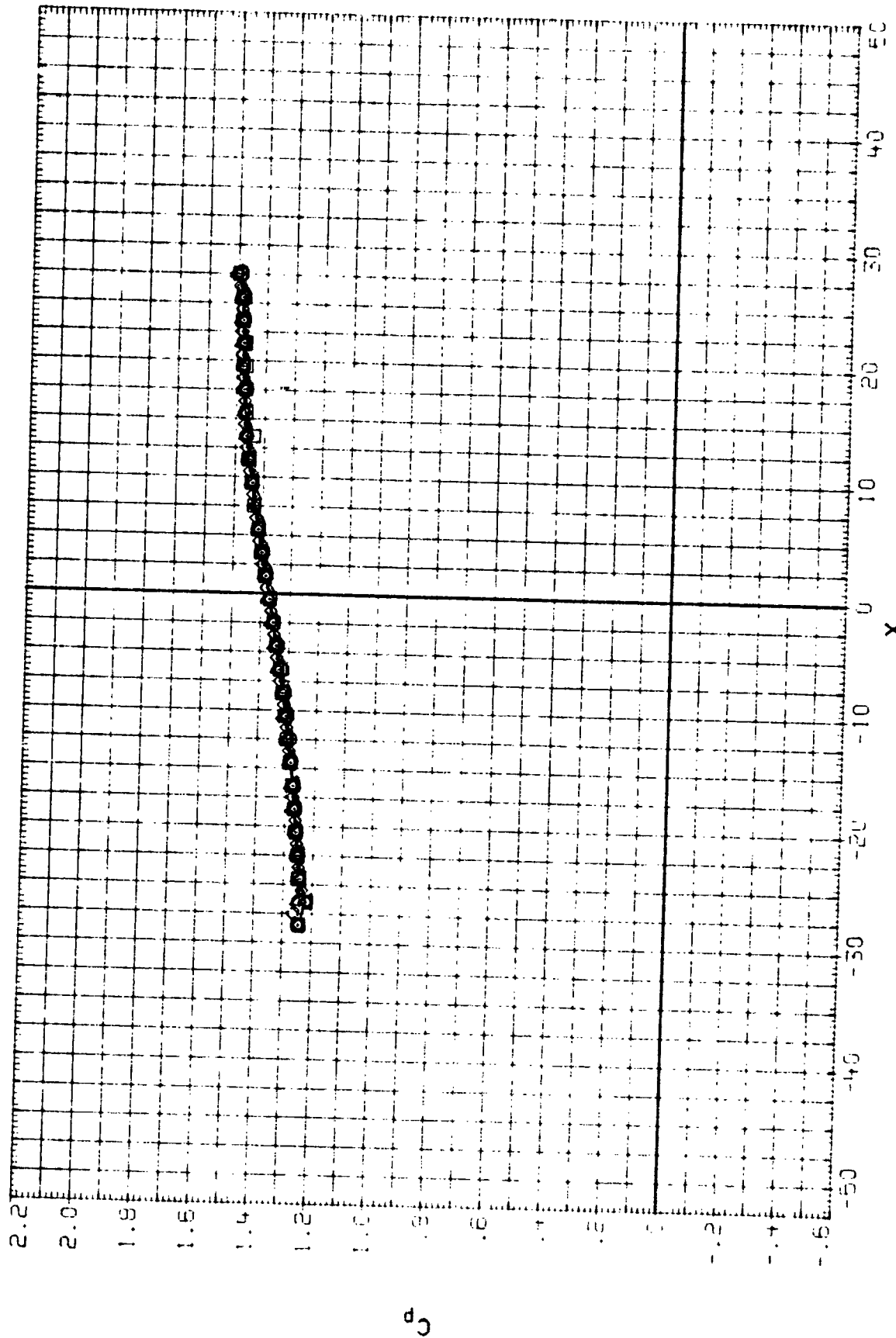


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 10.110 1.800

PT
 10.110 SF2 85.000

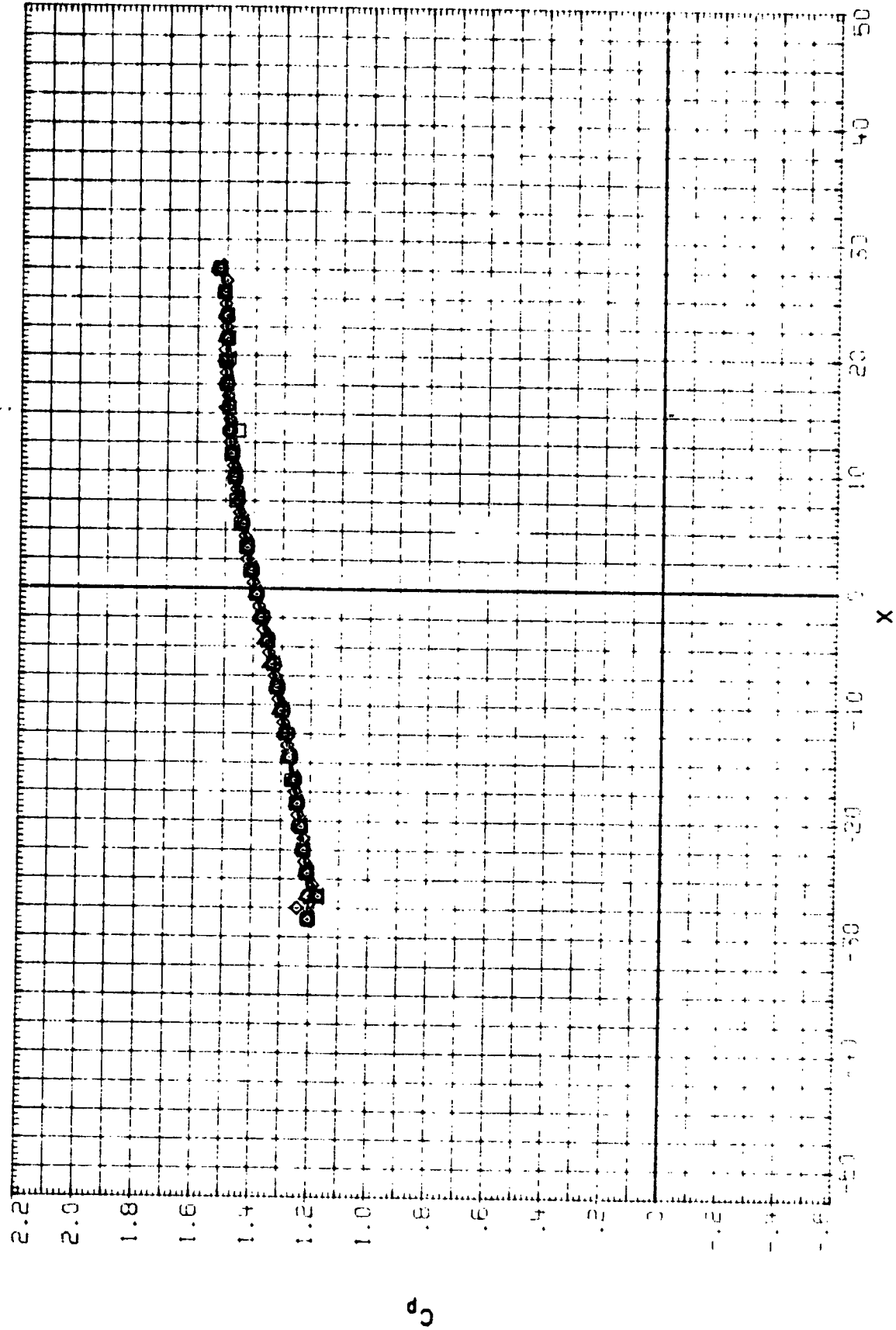


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 058A,B SF2 + PA3 + BRA

SYMBOL Y
-13.500
-6.500
-500
6.500
13.500

PT MACH
10.100 1.900

PARAMETRIC VALUES
PT 10.110 SF2 85.000

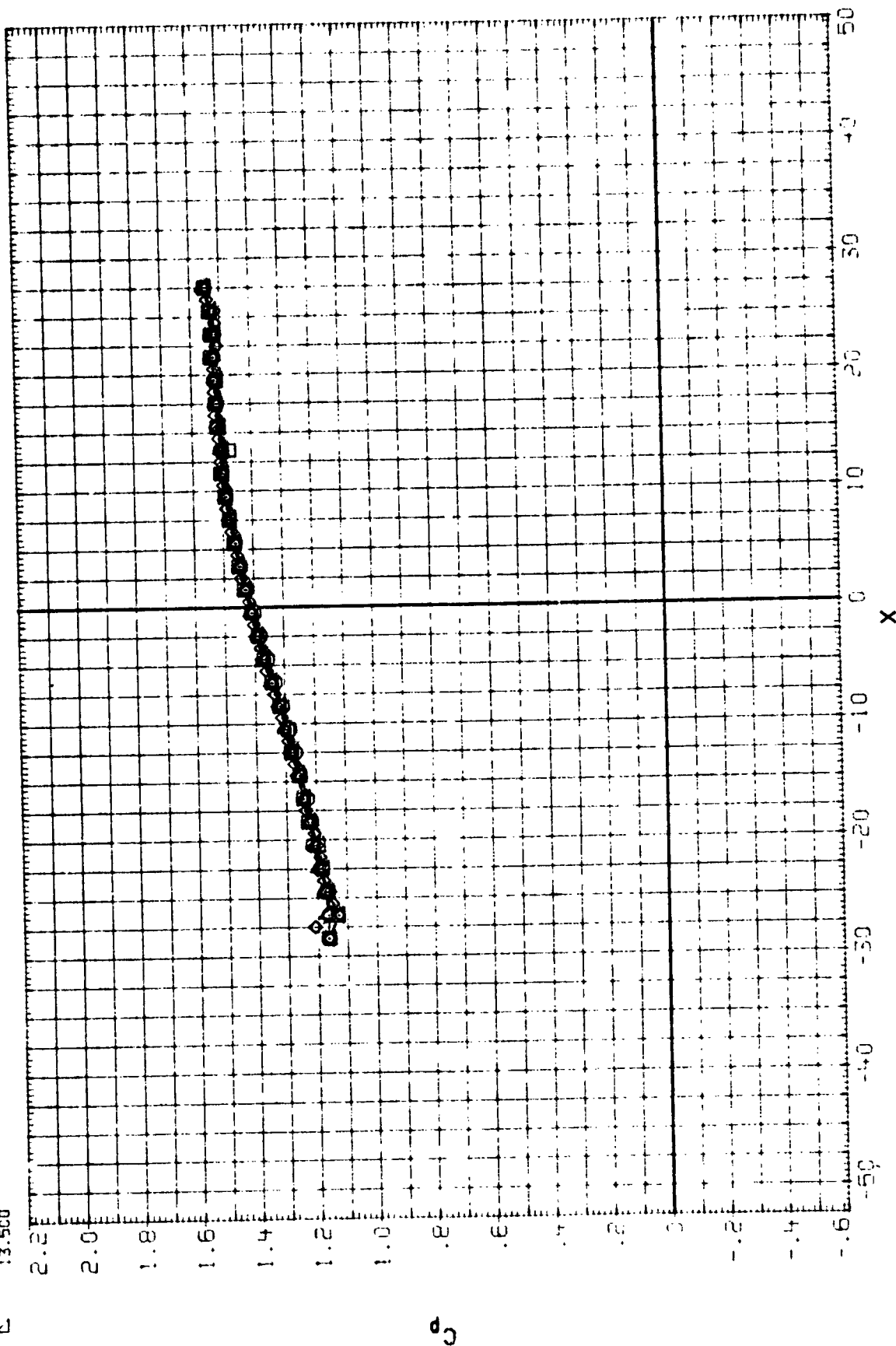


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 85.000

PT 10.090 MACH 2.000

SYMBOL Y
-13.500
-6.500
-500
6.500
13.500

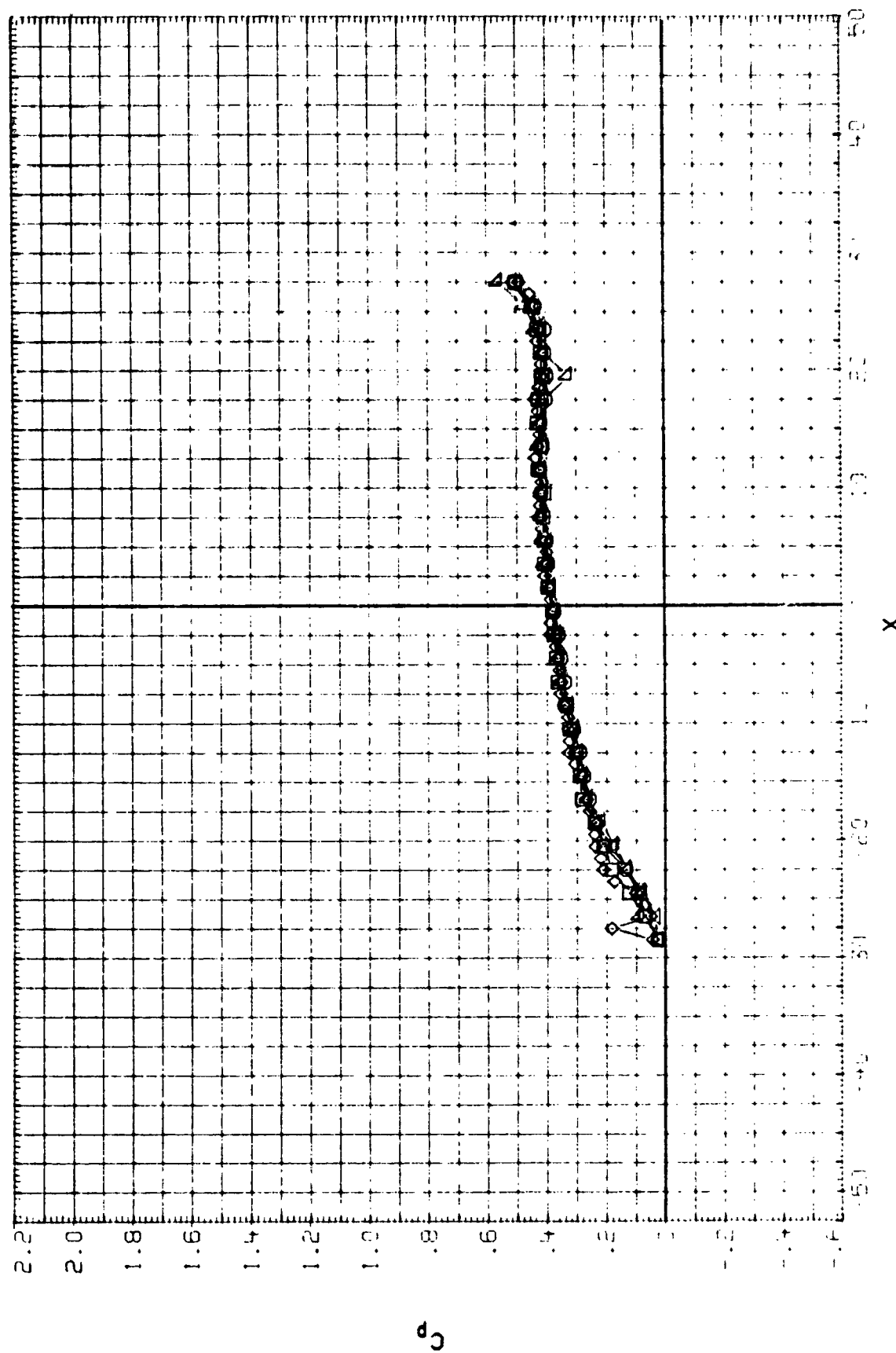


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL

Y
-13.500
-6.500
-500
6.500
13.500

PT MACH
10.110 2.100

PARAMETRIC VALUES
PT SF2 86.000

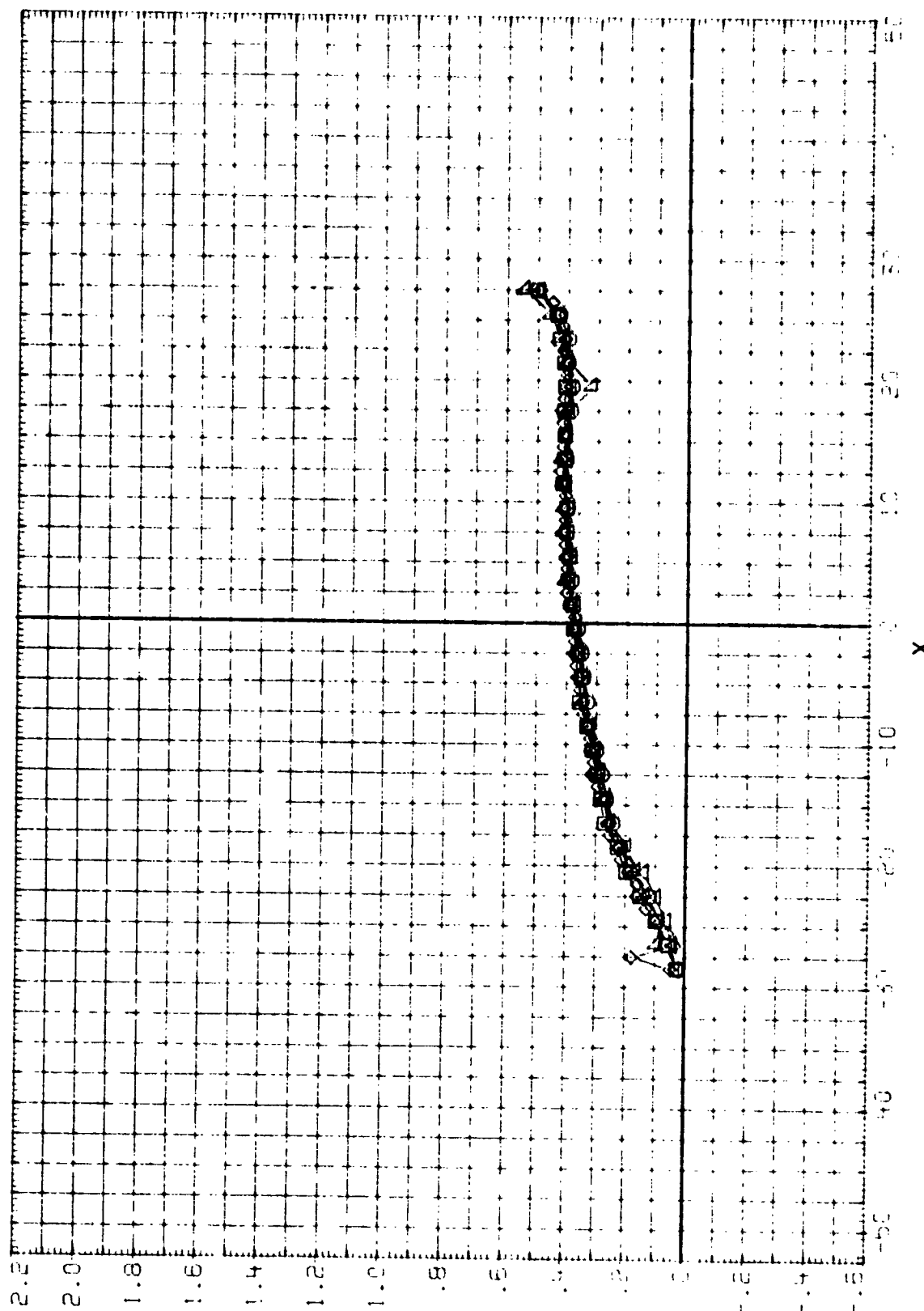


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL Y PT MACH SF2 85.000

-13.500
-6.500
-1.500
6.500
13.500

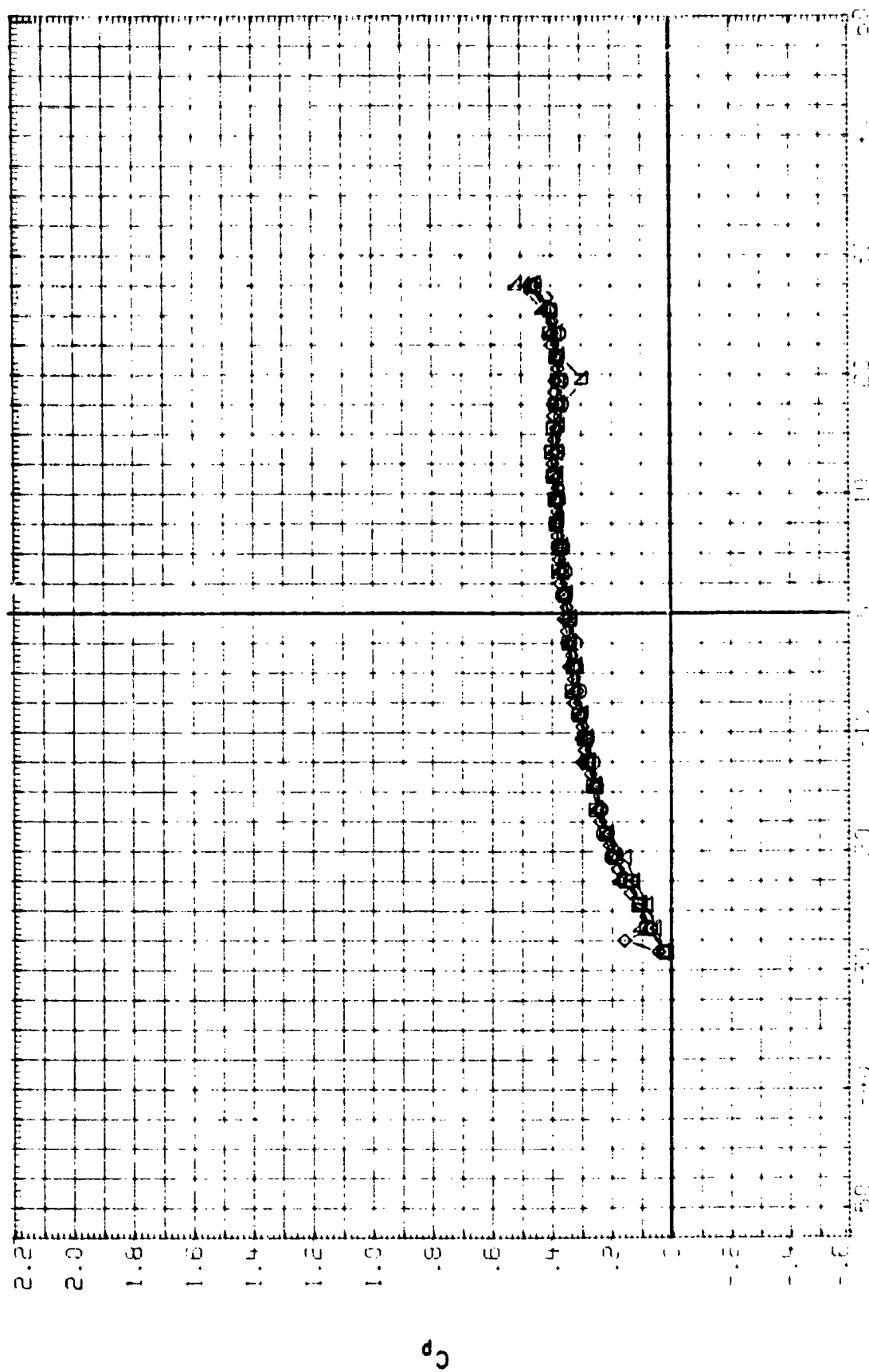


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 85.000

PT 10.130 MACH 2.300

SYMBOL
□ ◇ △
-13.500
-6.500
-500
6.500
13.500

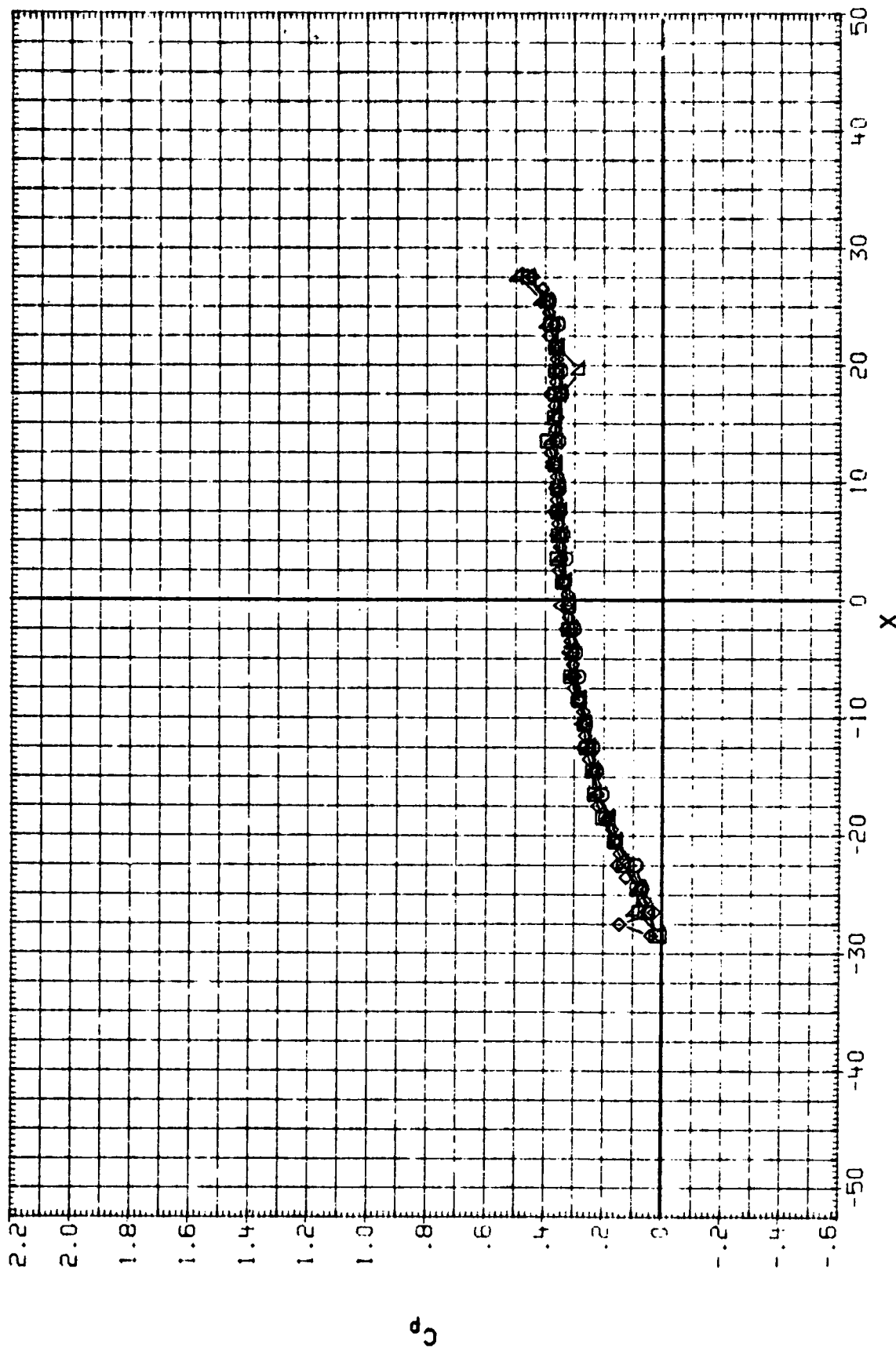


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

Symbol Y
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PT 10.110 MACH 2.401

PARAMETRIC VALUES
 PT 10.110 SF2 85.000

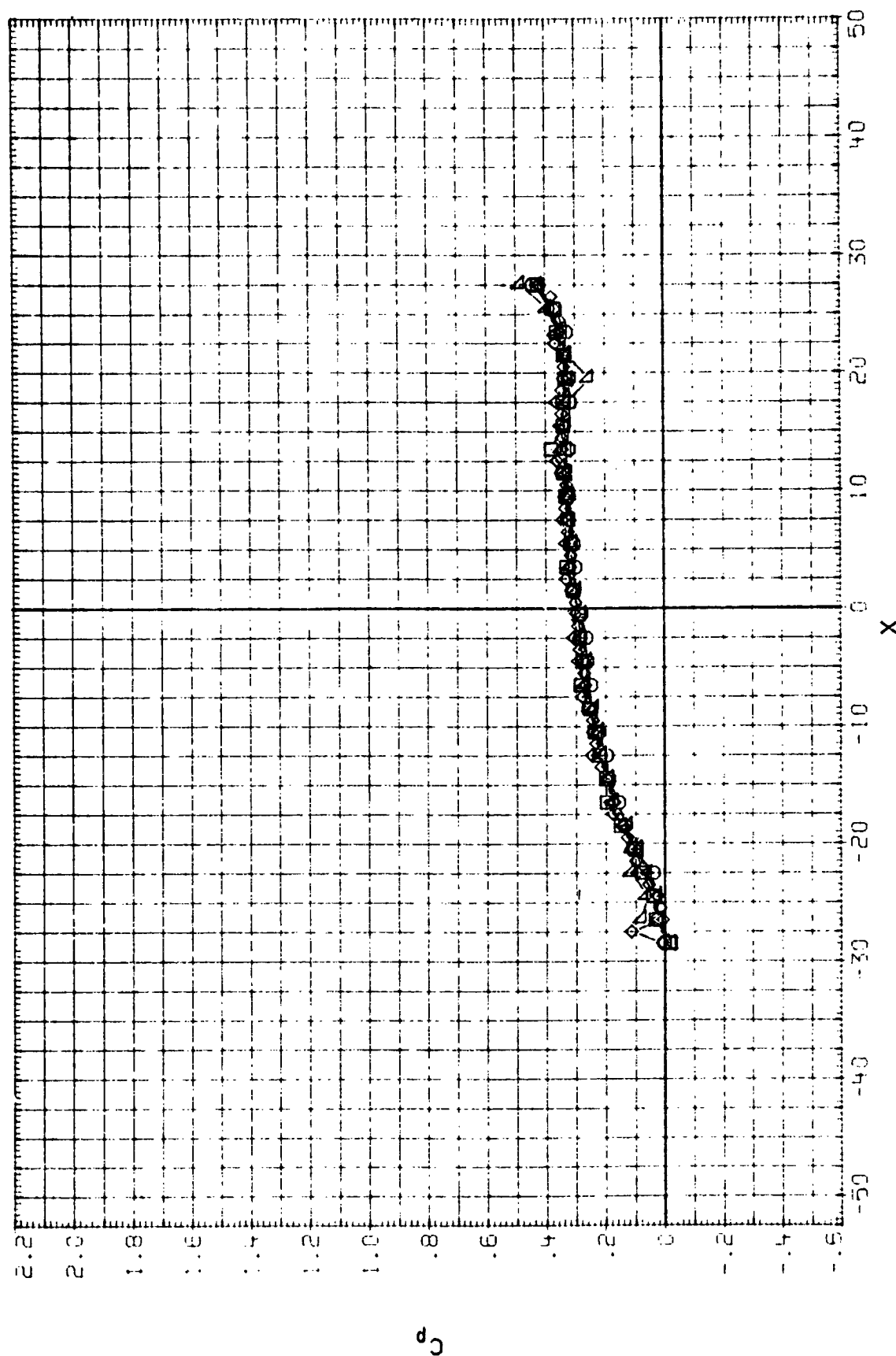


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP30) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 85.000

PT 10.110 MACH 2.505

SYMBOL Y
-13.500
-6.500
-5.500
6.500
13.500

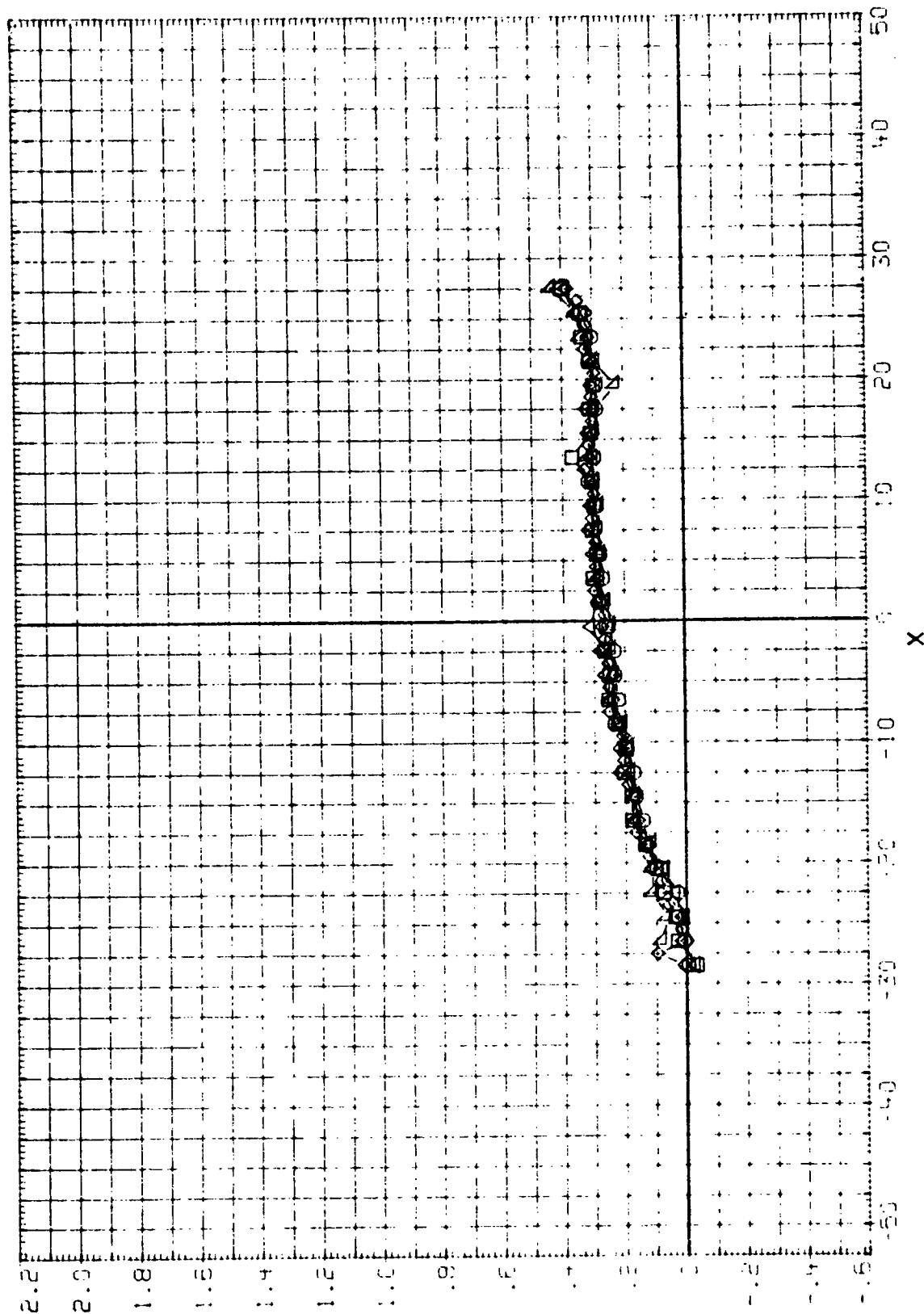


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP31) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

Symbol Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT 10.110 MACH 1.599

PARAMETRIC VALUES
 PT 10.110 SF2 64.000

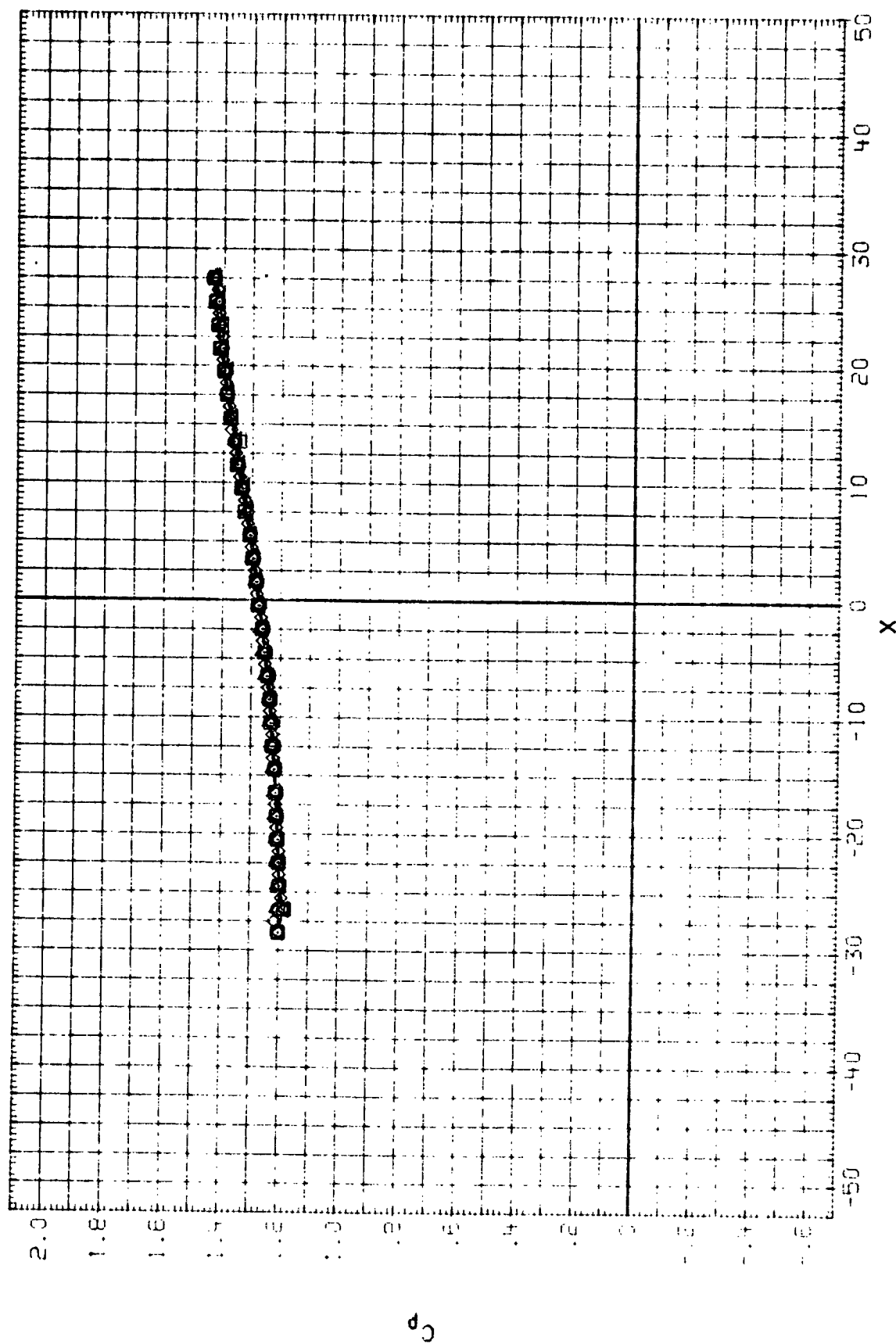


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP31) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 64.000

PT 10.090 MACH 2.000

Y
-13.500
-6.500
-5.500
6.500
13.500

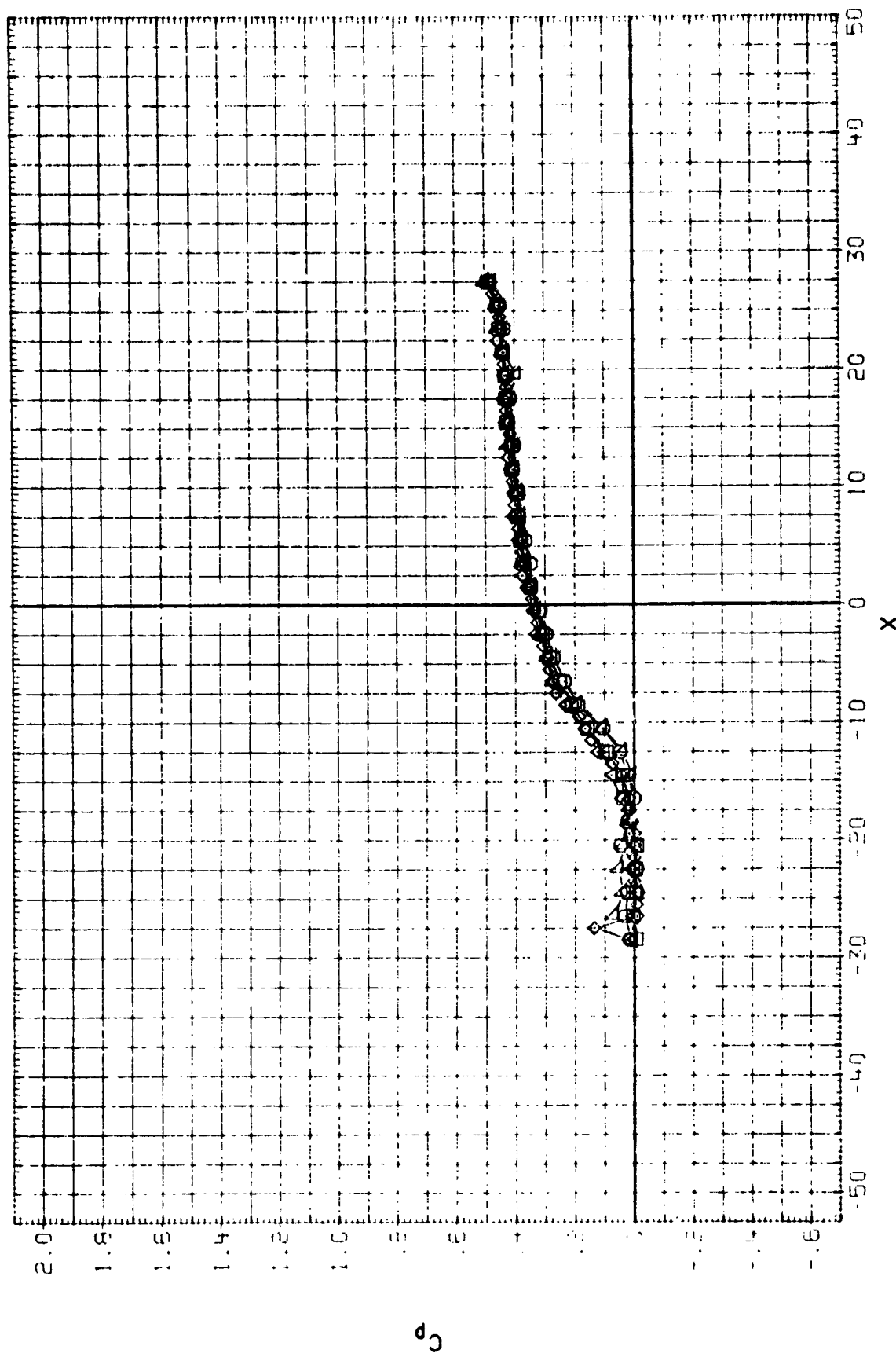


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP31) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 64.000

Y MACH 2.505

PT 10.110

-13.500

-6.500

-1.500

6.500

13.500

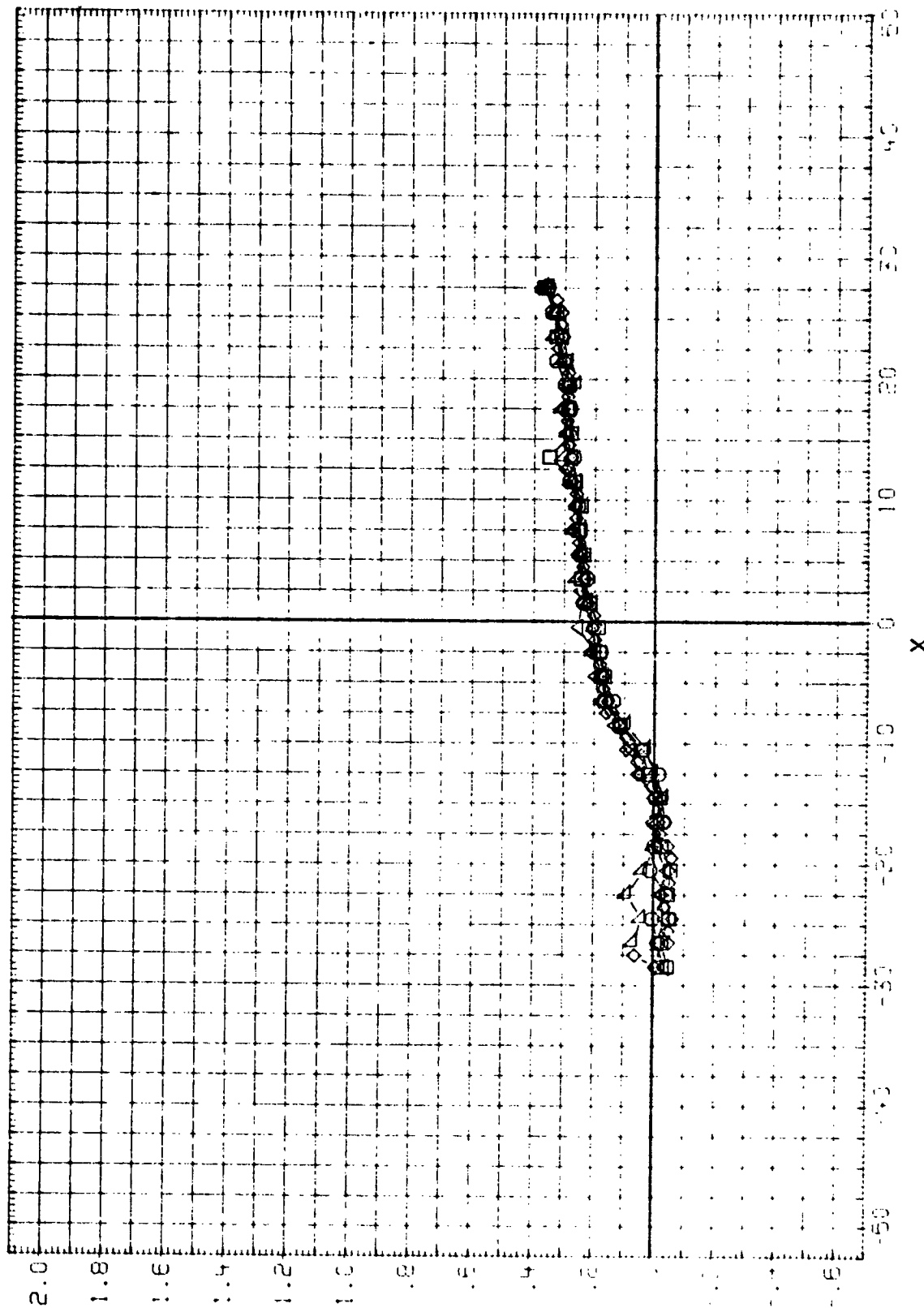


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP32) AMES 11-97-010 058A.8 SF2 + PA3 + BRA
 SYM BOL Y PT MACH
 -13.500 10.110 1.599
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 PT 10.110 SF2 53.000

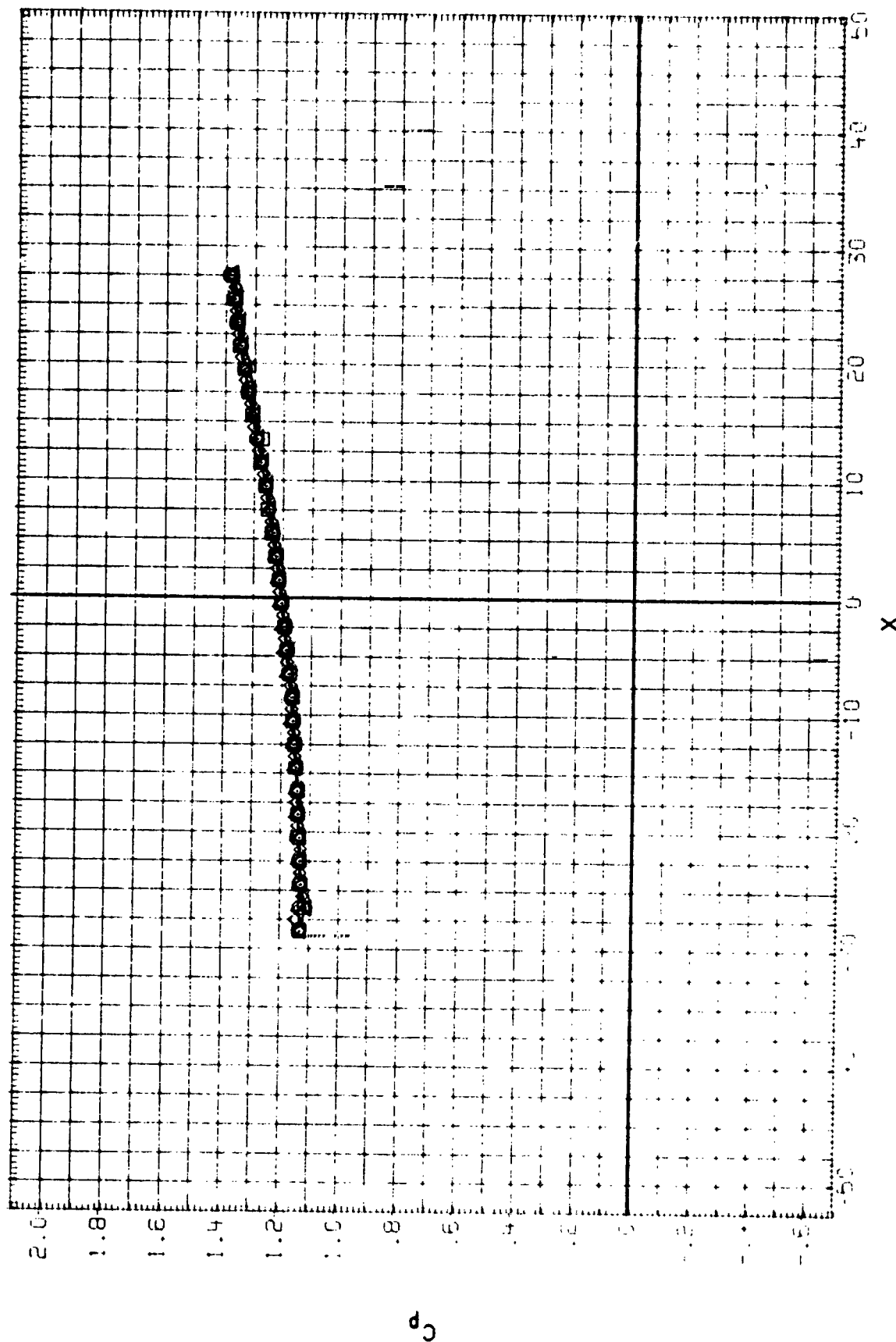


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP32) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL

Y
-13.500
-6.500
-500
6.500
13.500

PT MACH
10.090 2.000

PT
10.110 SF2 53.000

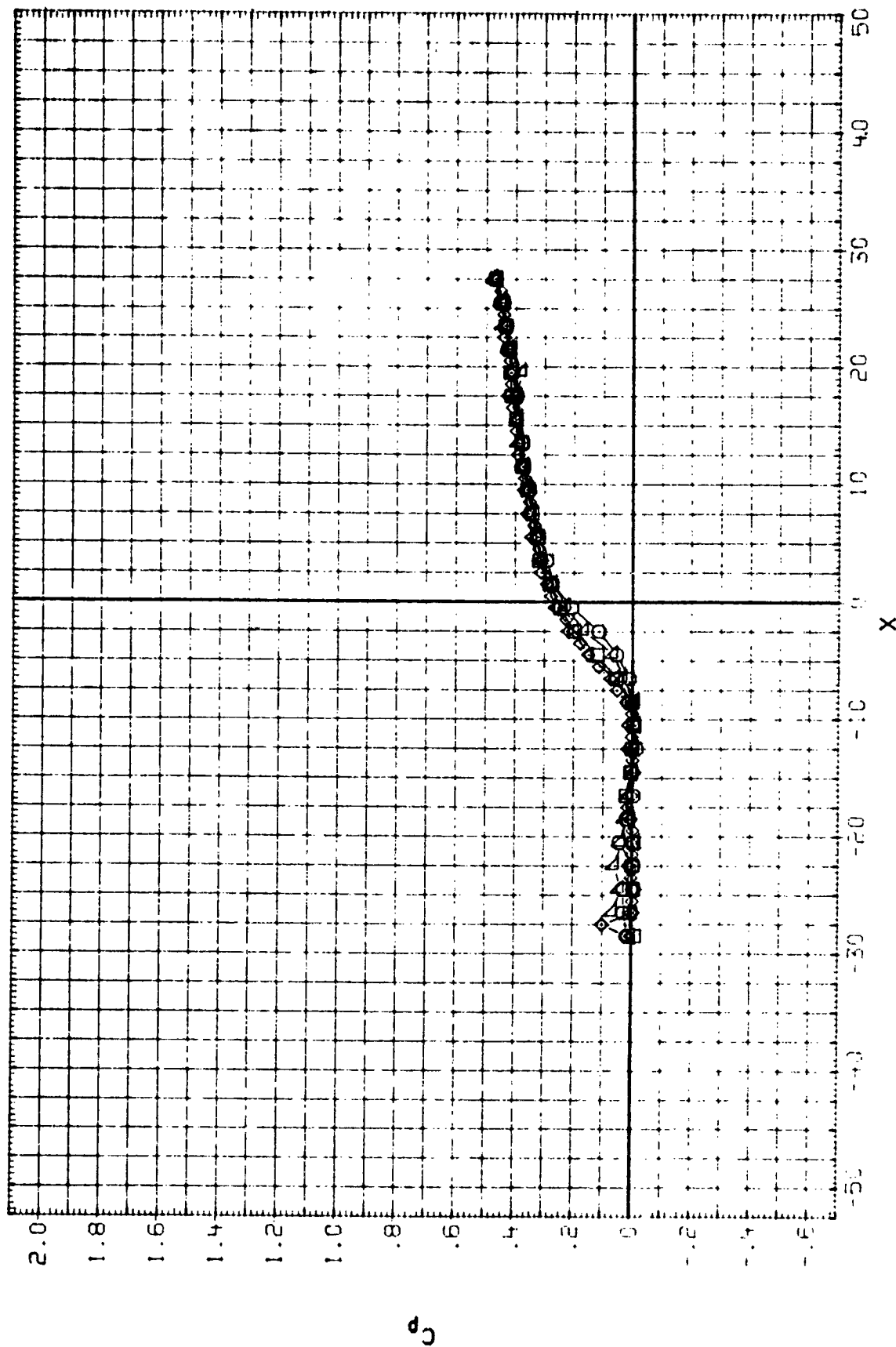


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP32) /MES 11-97-010 OS8A,B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 53.000

PT 10.110 MACH 2.505

Y
-13.500
-6.500
-500
6.500
13.500

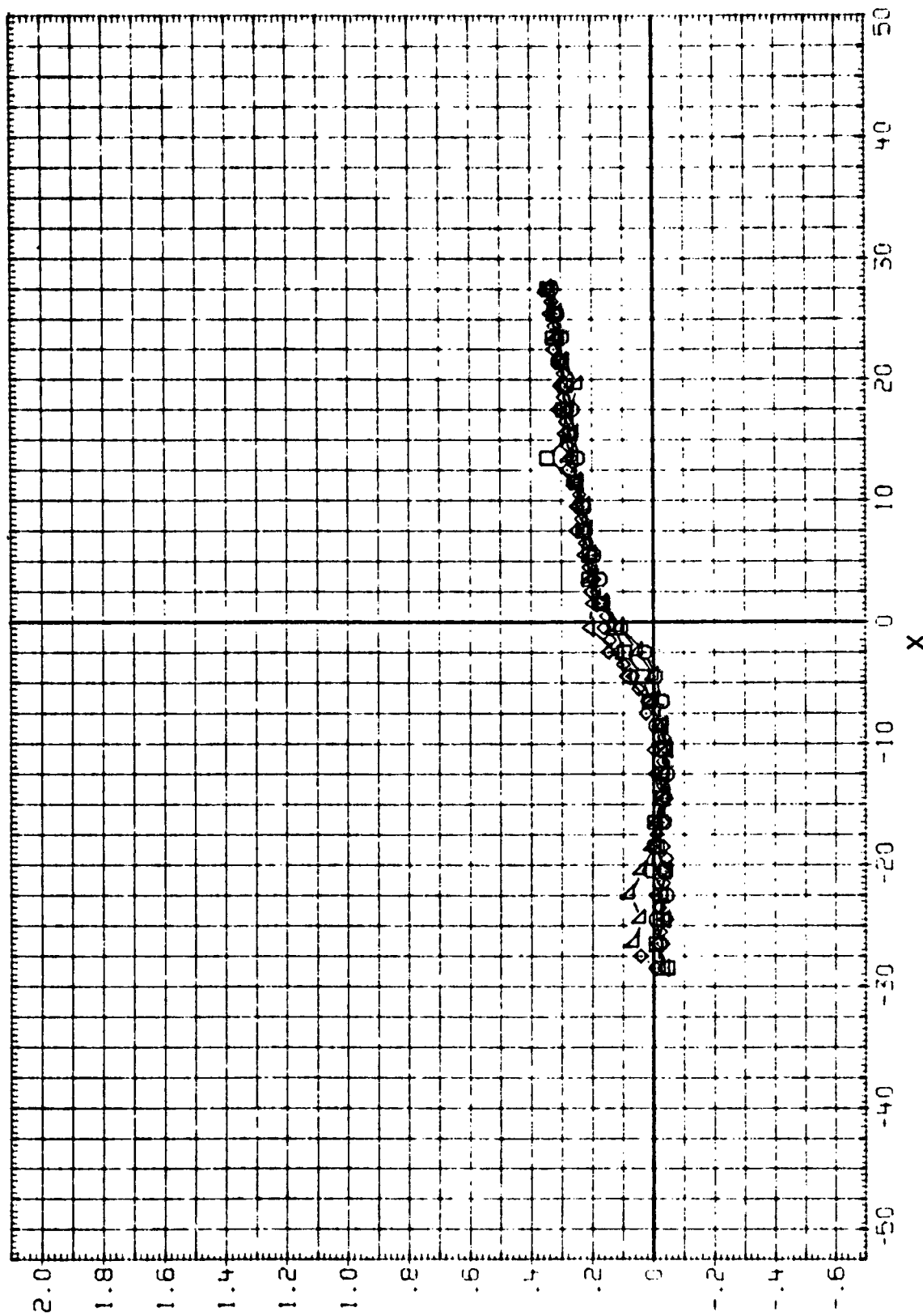


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP33) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYNBOZ Y
-13.500
-6.500
-500
6.500
13.500

PT MACH
10.110 1.599

PARAMETRIC VALUES
PT 10.110 SF2 45.000

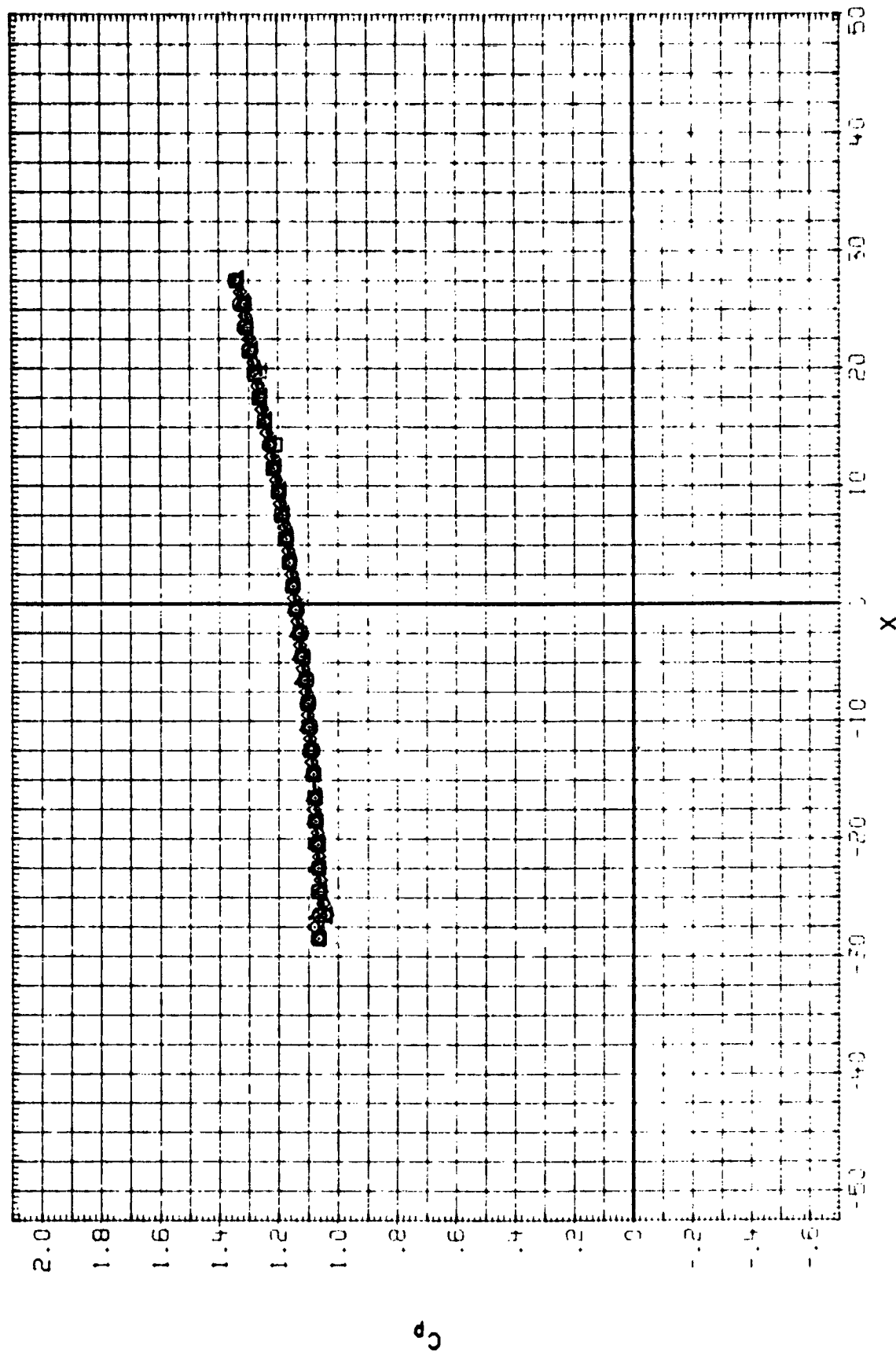


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP33) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 45.000

MACH 2.000

SYMBOL
-13.500
-6.500
-500
8.500
13.500

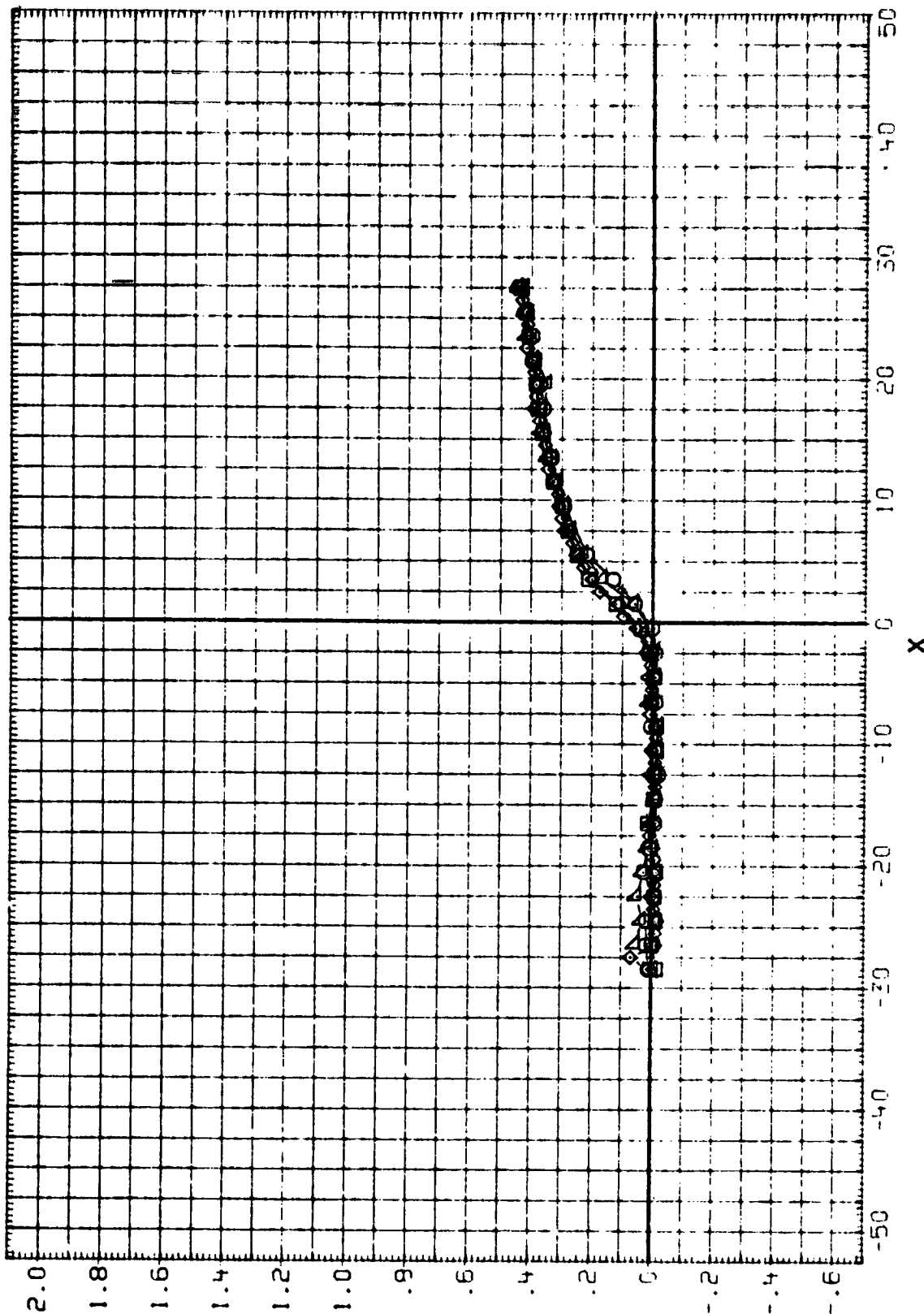


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP33) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 10.110 2.505

PARAMETRIC VALUES
 PT 10.110 SF2 45.000

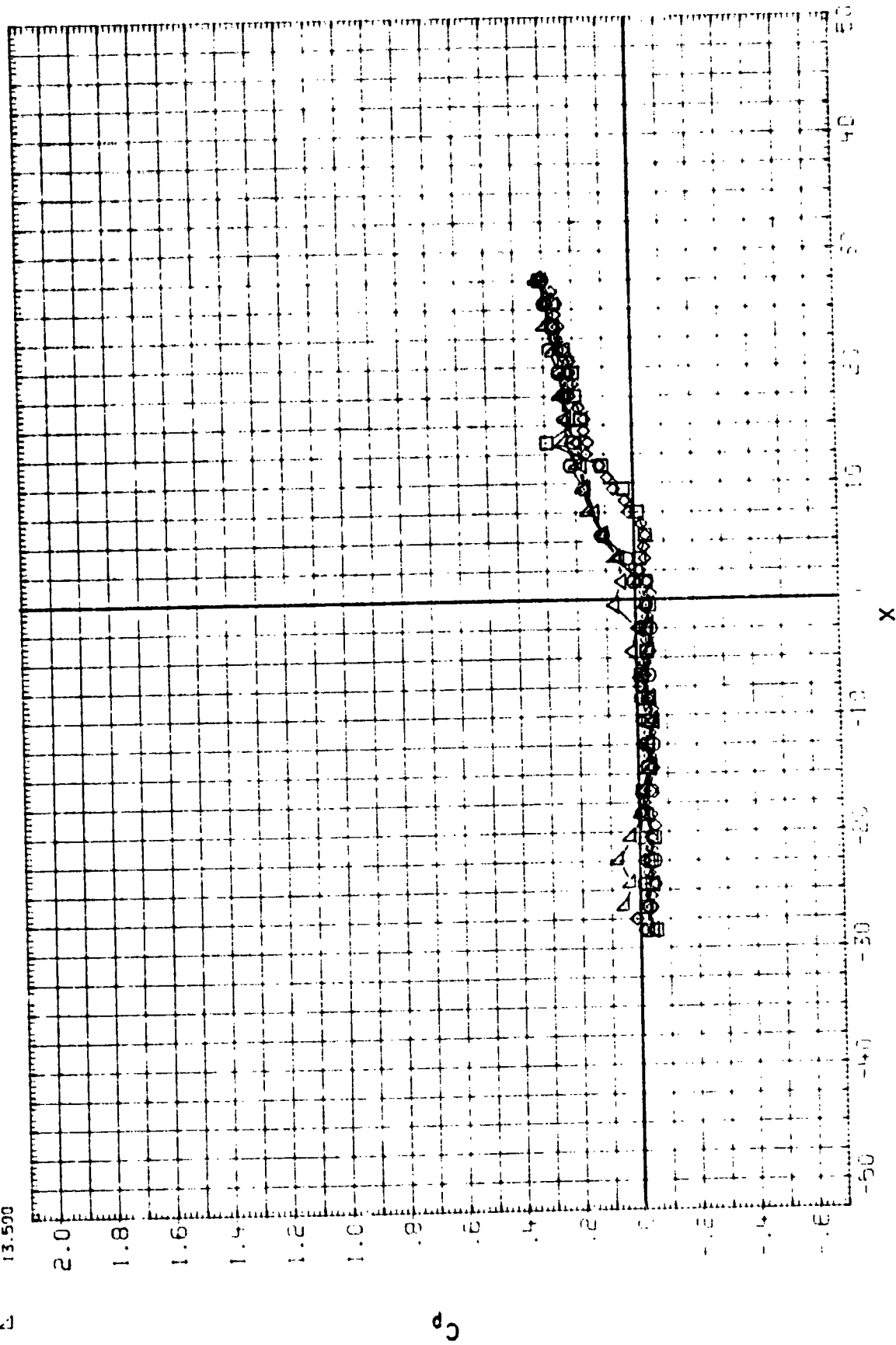


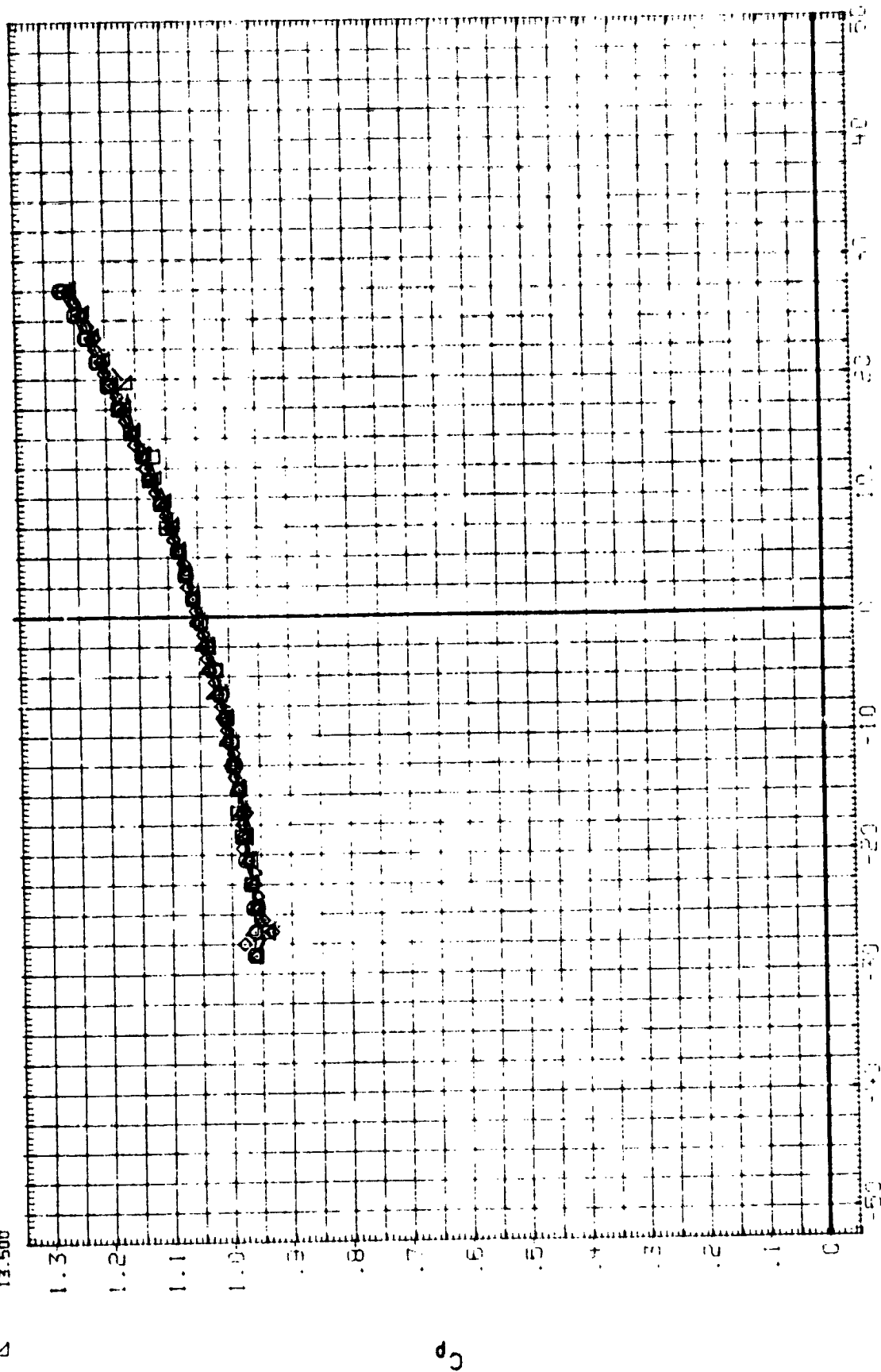
FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP34) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL Y
-13.500
-6.500
-5.500
6.500
13.500

PT 10.110
MACH 1.599

PARAMETRIC VALUES
10.110 SF2 37.000



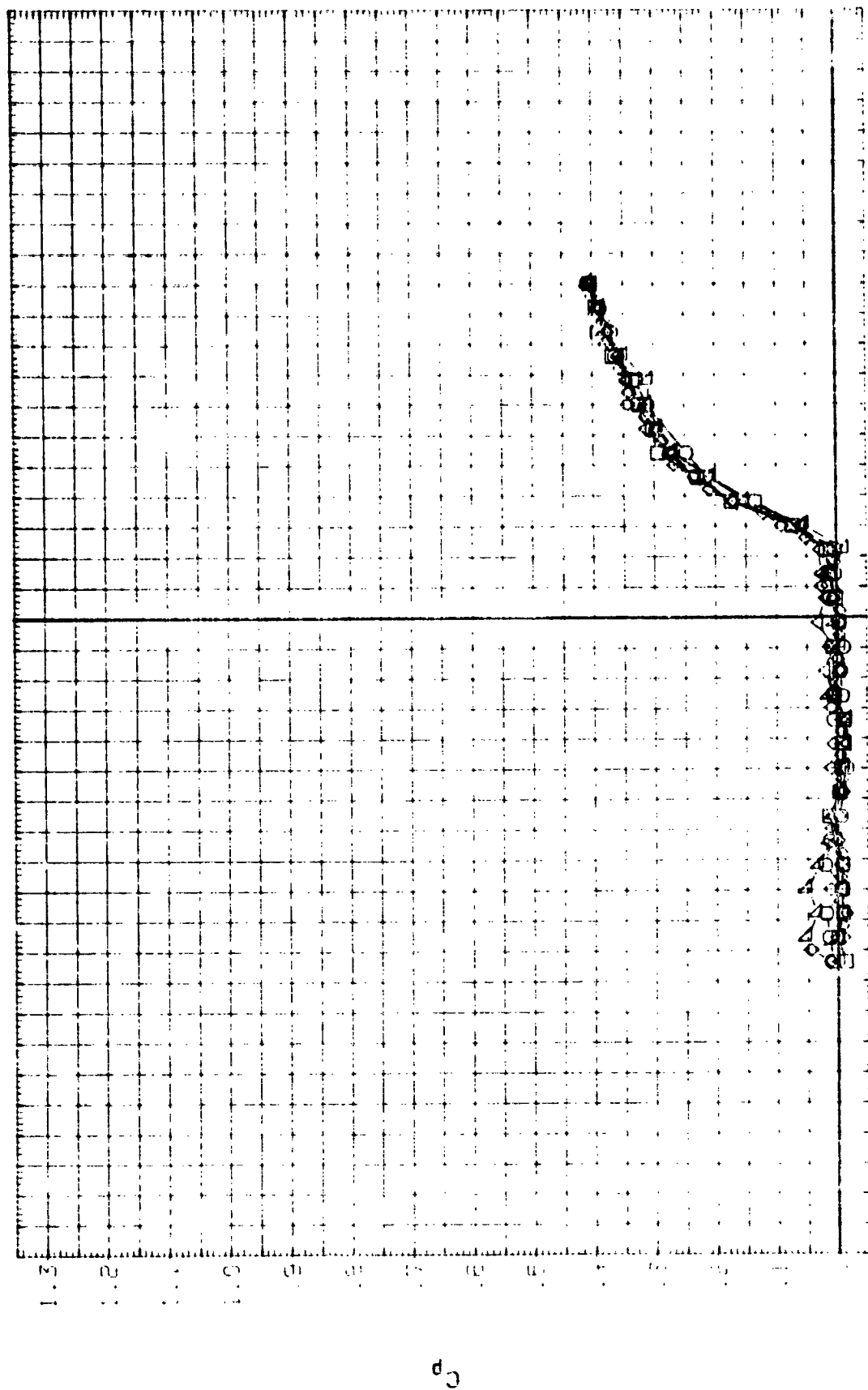
X

FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP34) AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

SYMBOL Y PT MACH
 -13.500
 -6.500
 -5.00
 6.500
 13.500

PARAMETRIC VALUES
 PT 10.110 SF2 37.000



X

FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP34) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 37.000

MACH 2.505

PT 10.110

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

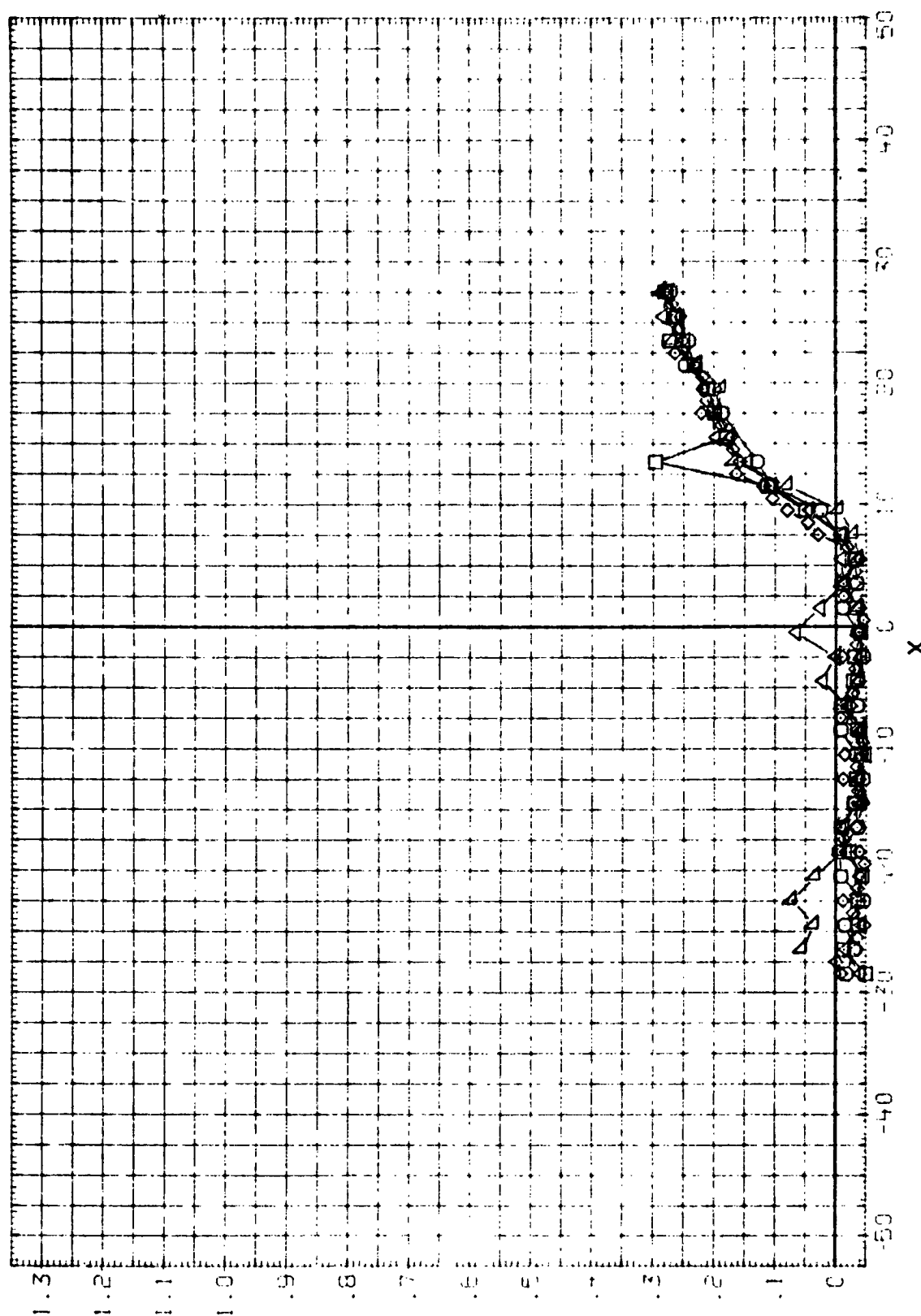


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP35) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 30.000

MACH 1.599

PT 10.100

Y -13.500
-6.500
-5.500
6.500
13.500

SYMBOL $\square$ $\diamond$ $\triangle$

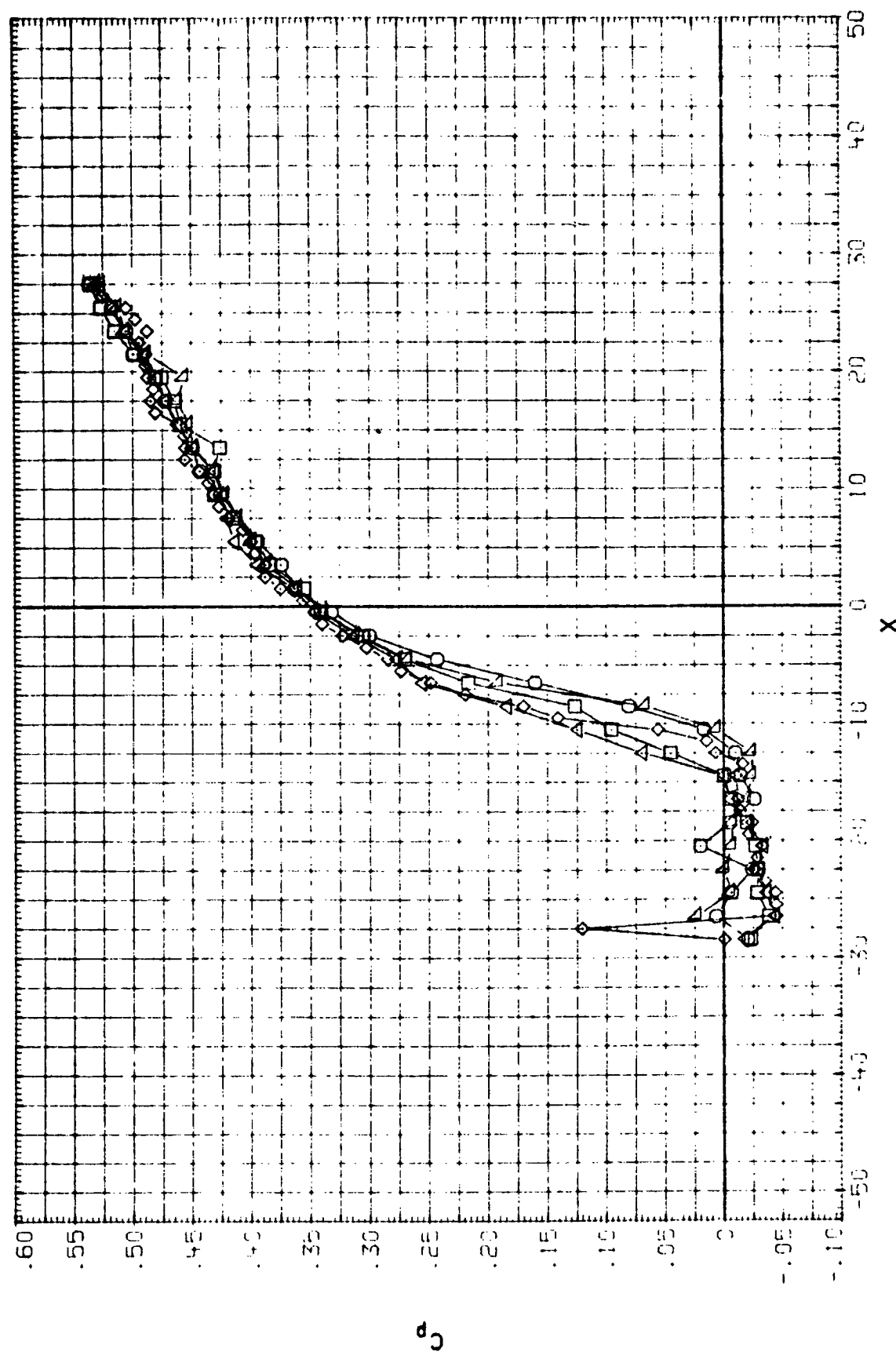


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

'REXP35) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL	Y	PT	MACH	PARAMETRIC VALUES
	-13.500	10.100	2.000	10.110 SF2
	-6.500			
	-1.500			
	6.500			
	13.500			30.000

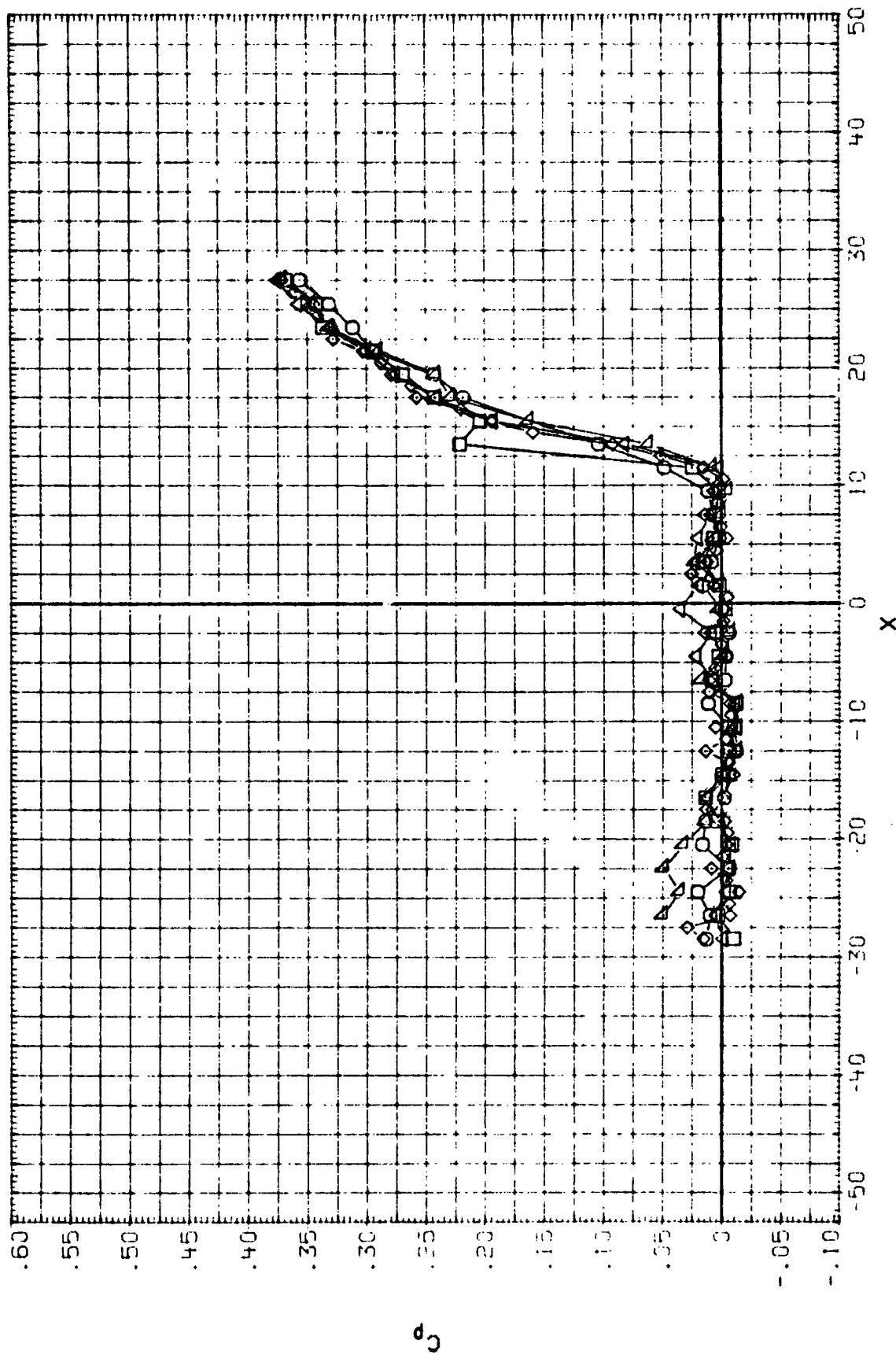


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP35) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL	Y	PT	MACH	PARAMETRIC VALUES
	-13.500	10.100	2.505	10.110 SF2 30.000
	-6.500			
	-5.500			
	6.500			
	13.500			

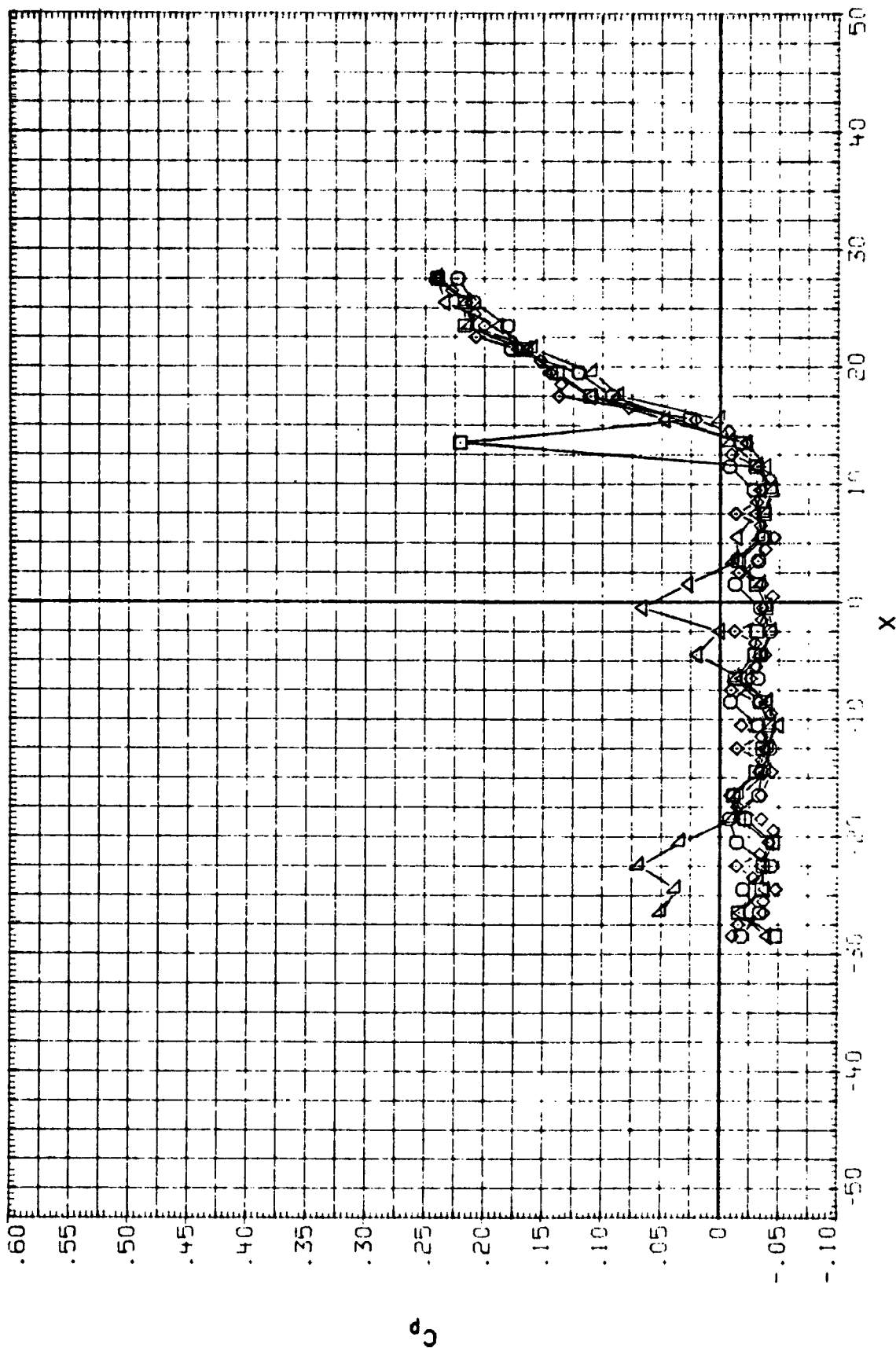


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP36) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT 10.100

MACH 1.599

PT
 10.110
 SF2
 24.000

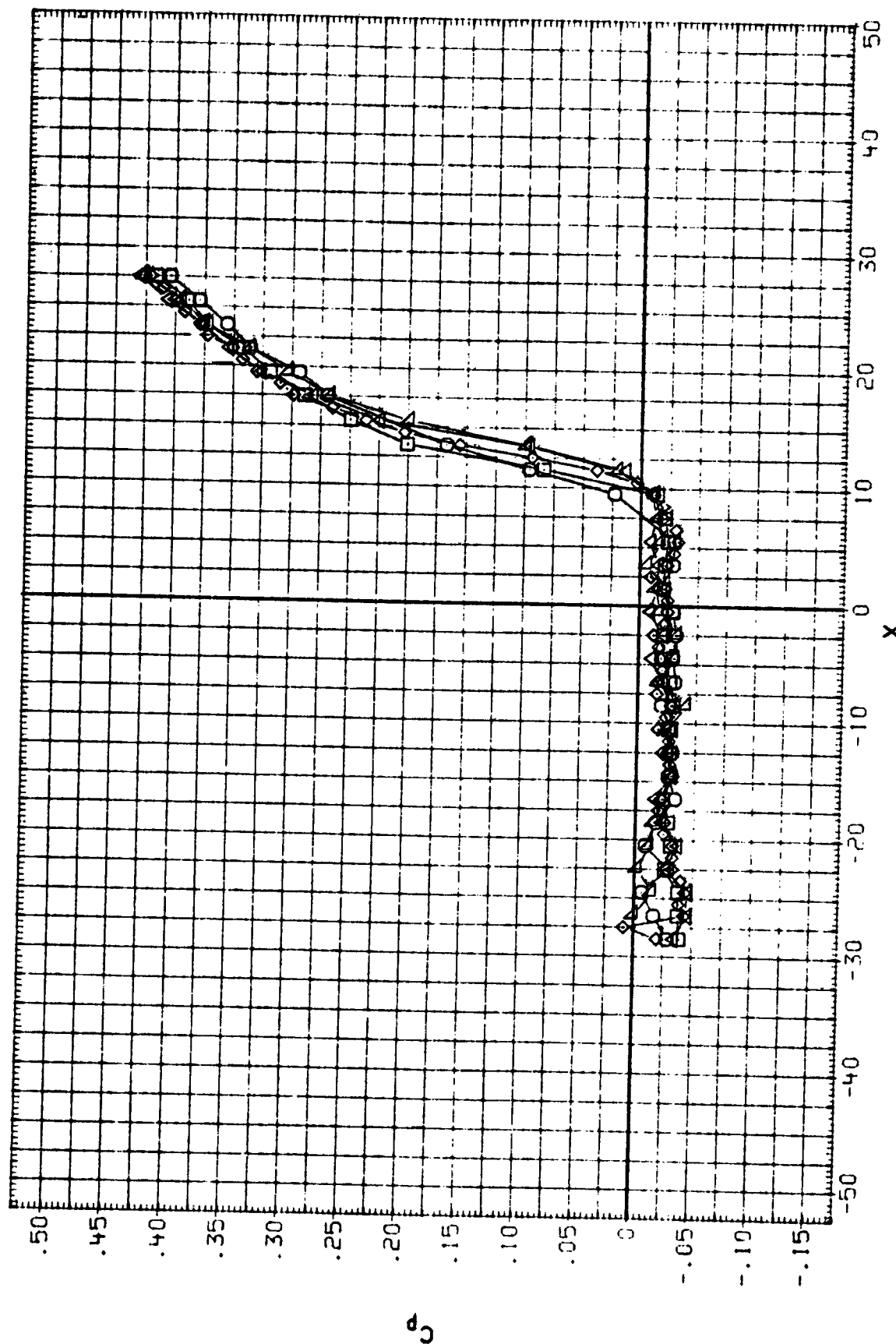


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP36) AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH 2.000
 10.100
 10.110 SF2 24.000

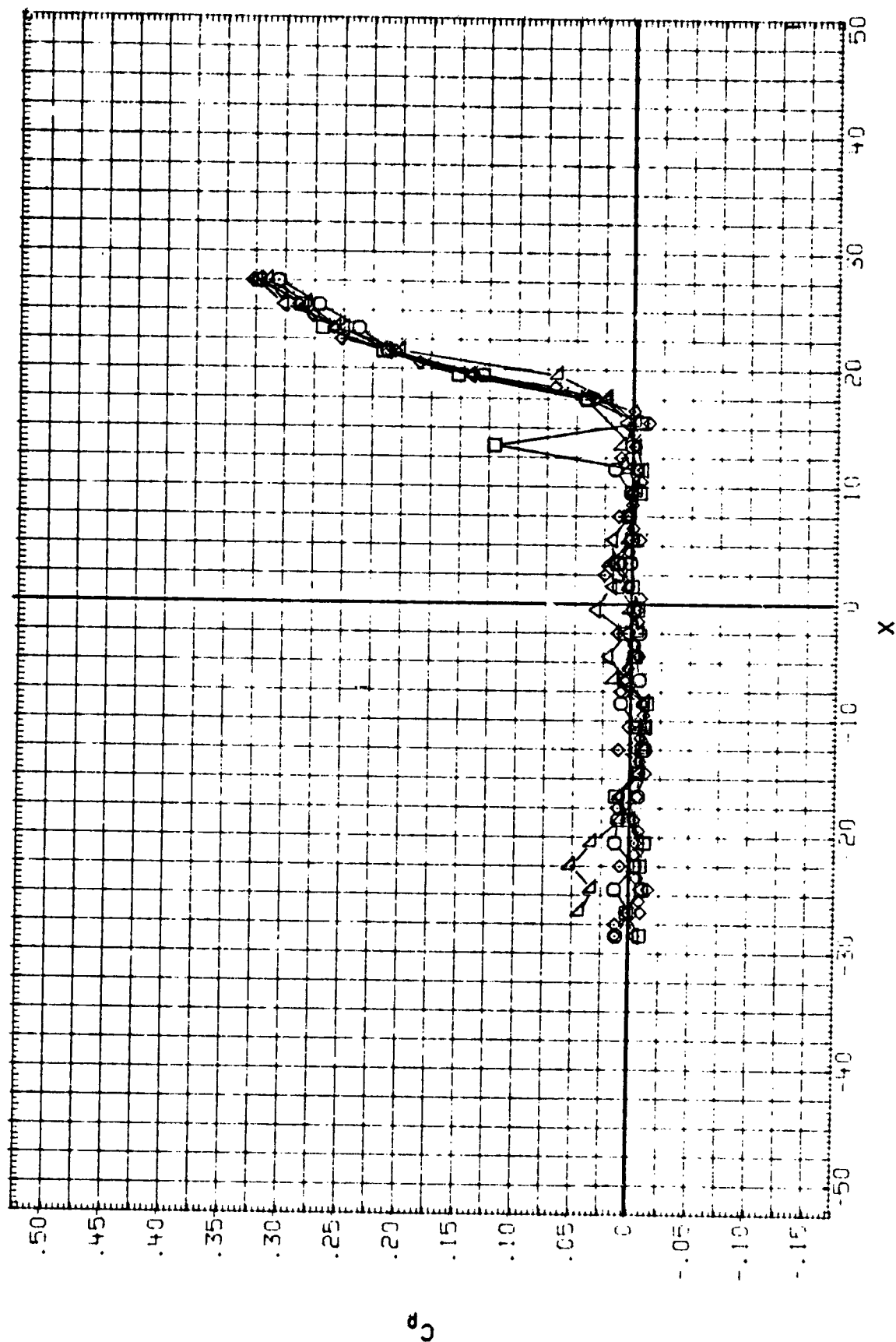


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP36) AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

PARAMETRIC VALUES
PT 10.110 SF2 24.000

SYMBOL Y
-13.500
-6.500
-1.500
6.500
13.500

PT 10.100

MACH 2.505

□ ○ △

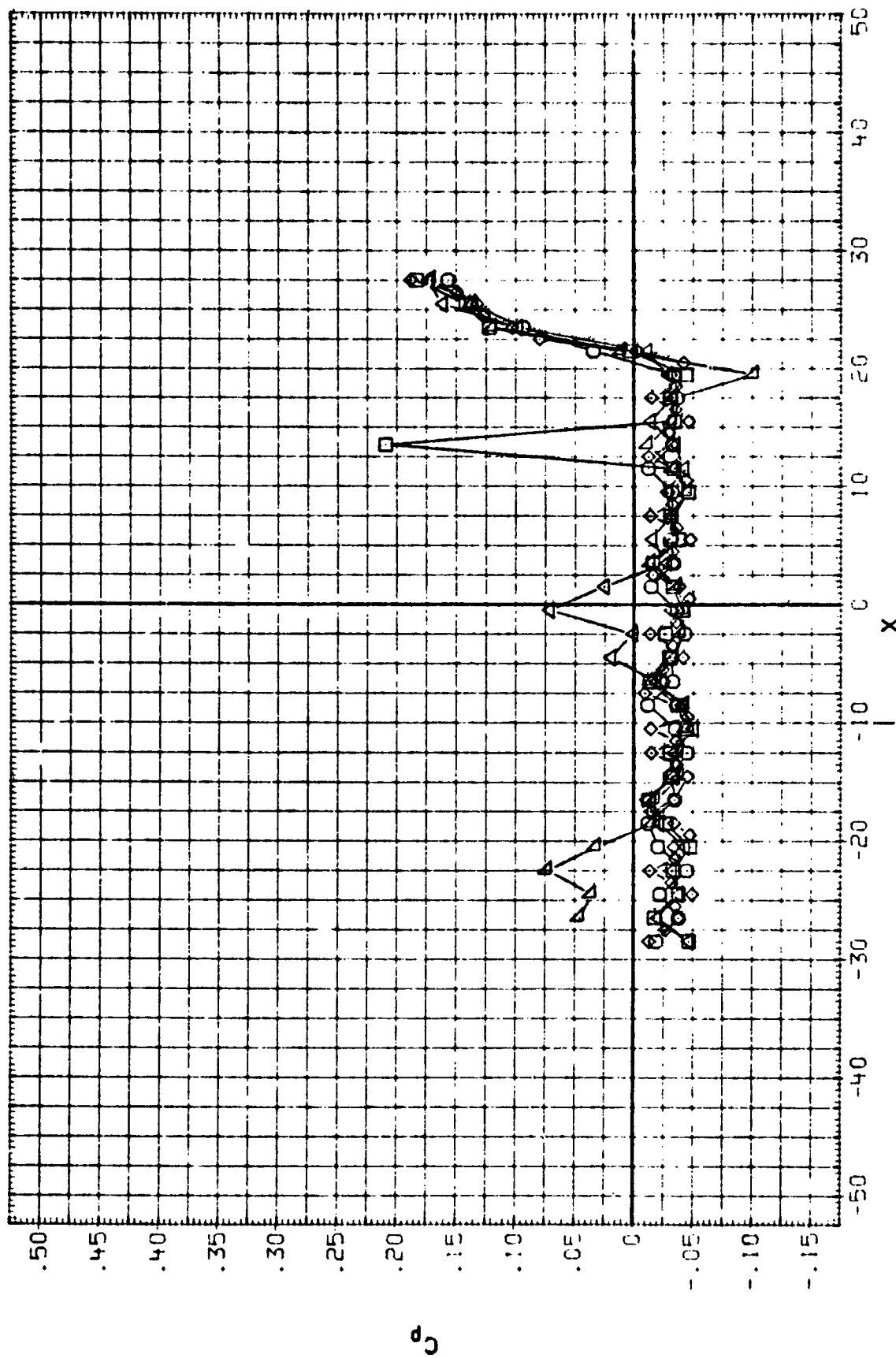


FIG. 25 STATIC SURFACE PRESSURES - DUMMY PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 OS8A,B SF2 + PA2

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 10.110 1.600

PT SF2
 10.110 37.000

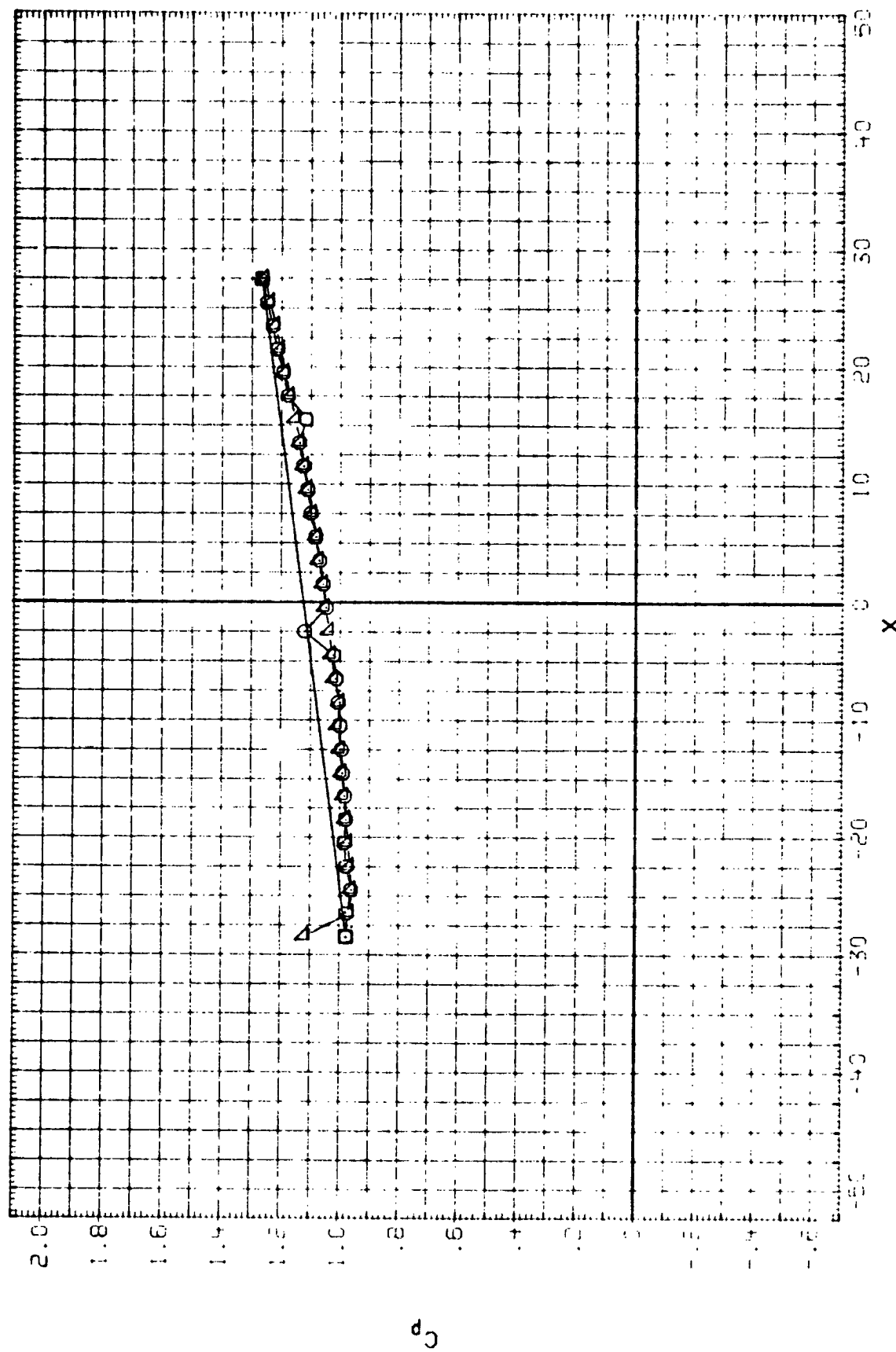


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 058A,B SF2 + PA2

SYMBOL Y PT MACH
-13.500
-6.500
-500
6.500
13.500

PARAMETRIC VALUES
PT 10.110 SF2 37.000

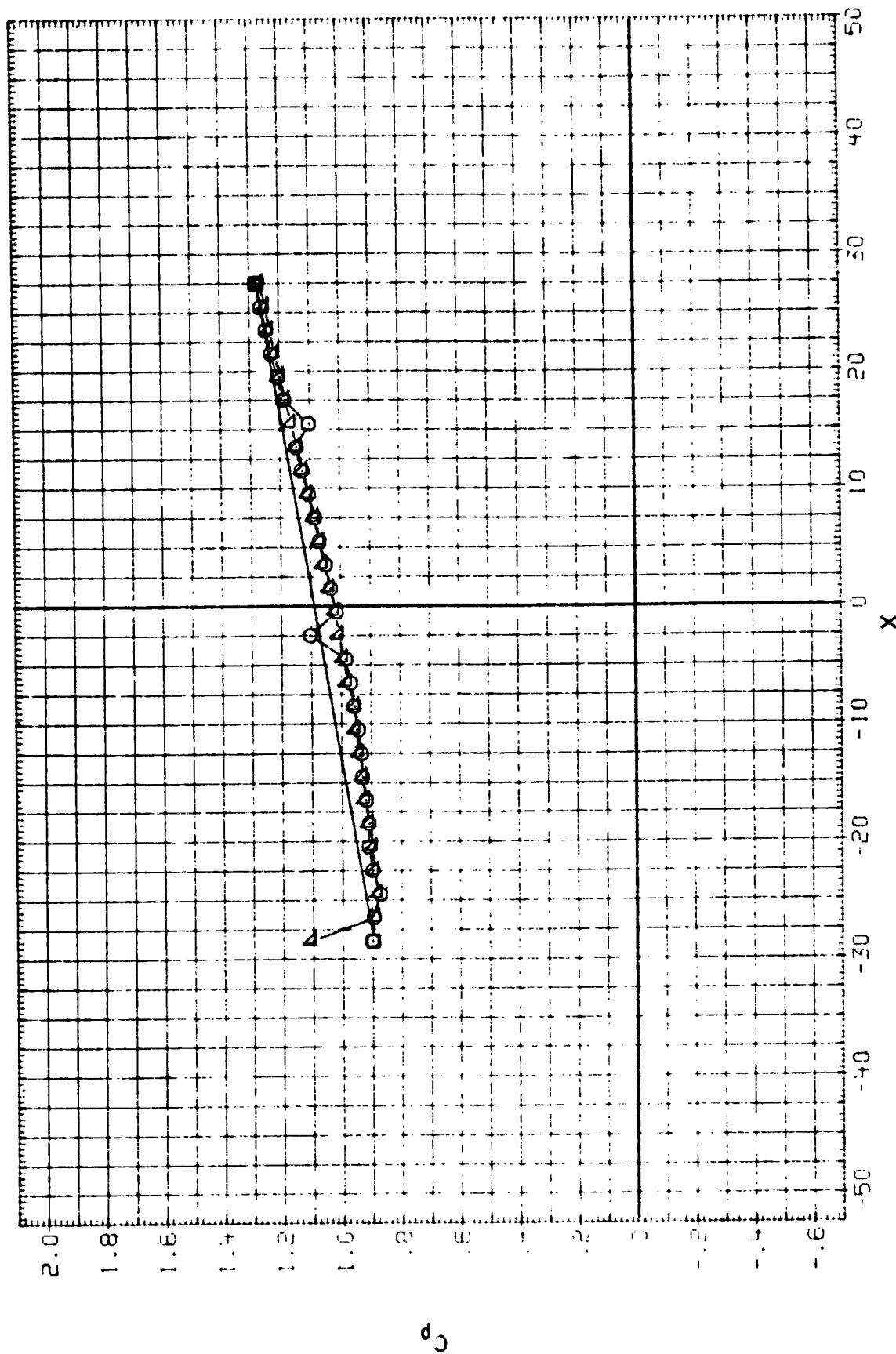


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 OS8A,B SF2 + PA2

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 10.110 1.800

PT
 10.110 37.030

PARAMETRIC VALUES

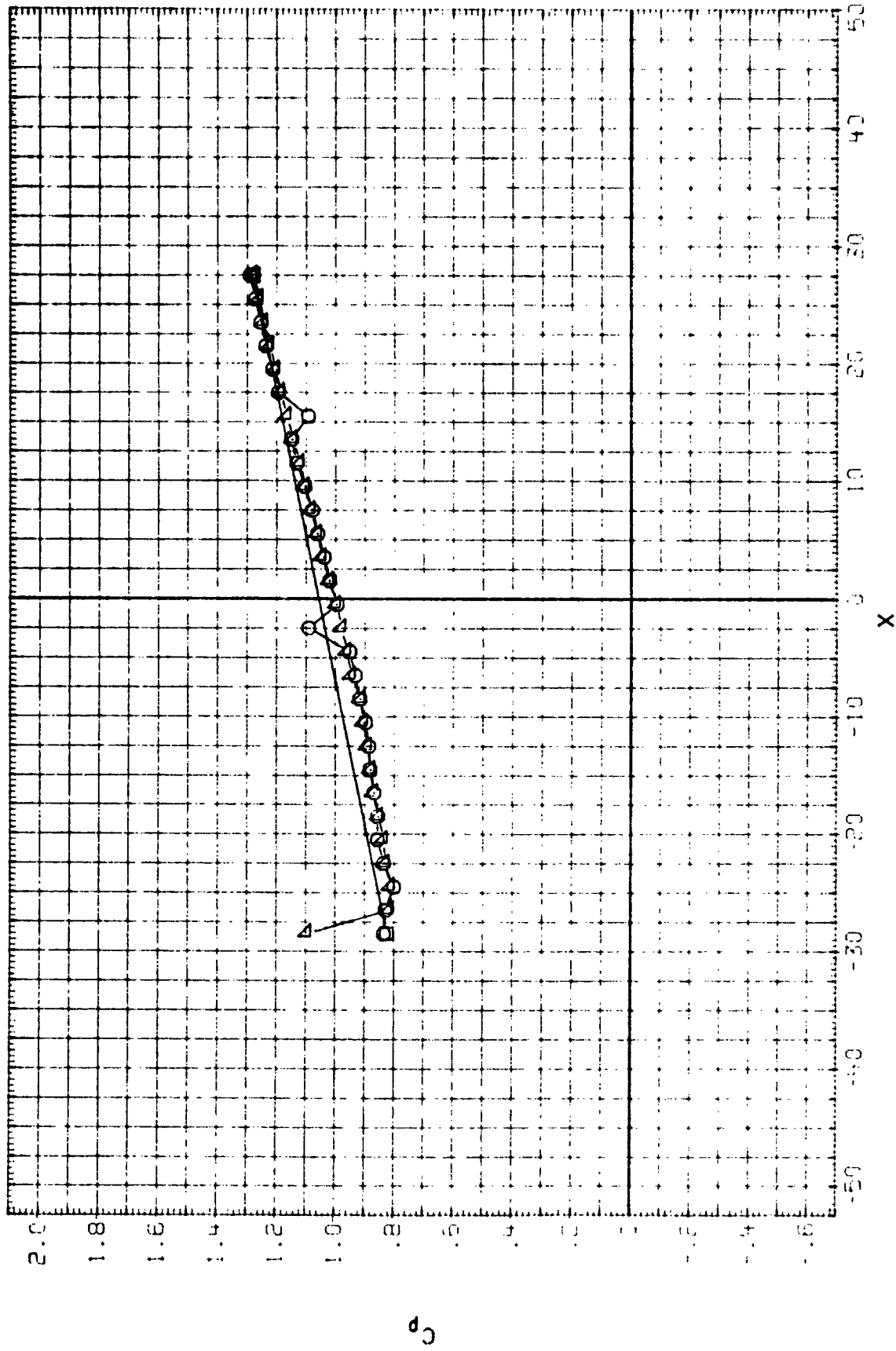


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 0S8A.B SF2 + PA2

PARAMETRIC VALUES
PT 10.110 SF2 37.001

PT 10.120 MACH 1.300

Y
-13.500
-6.500
-500
6.500
13.500

0 1 2 3 4

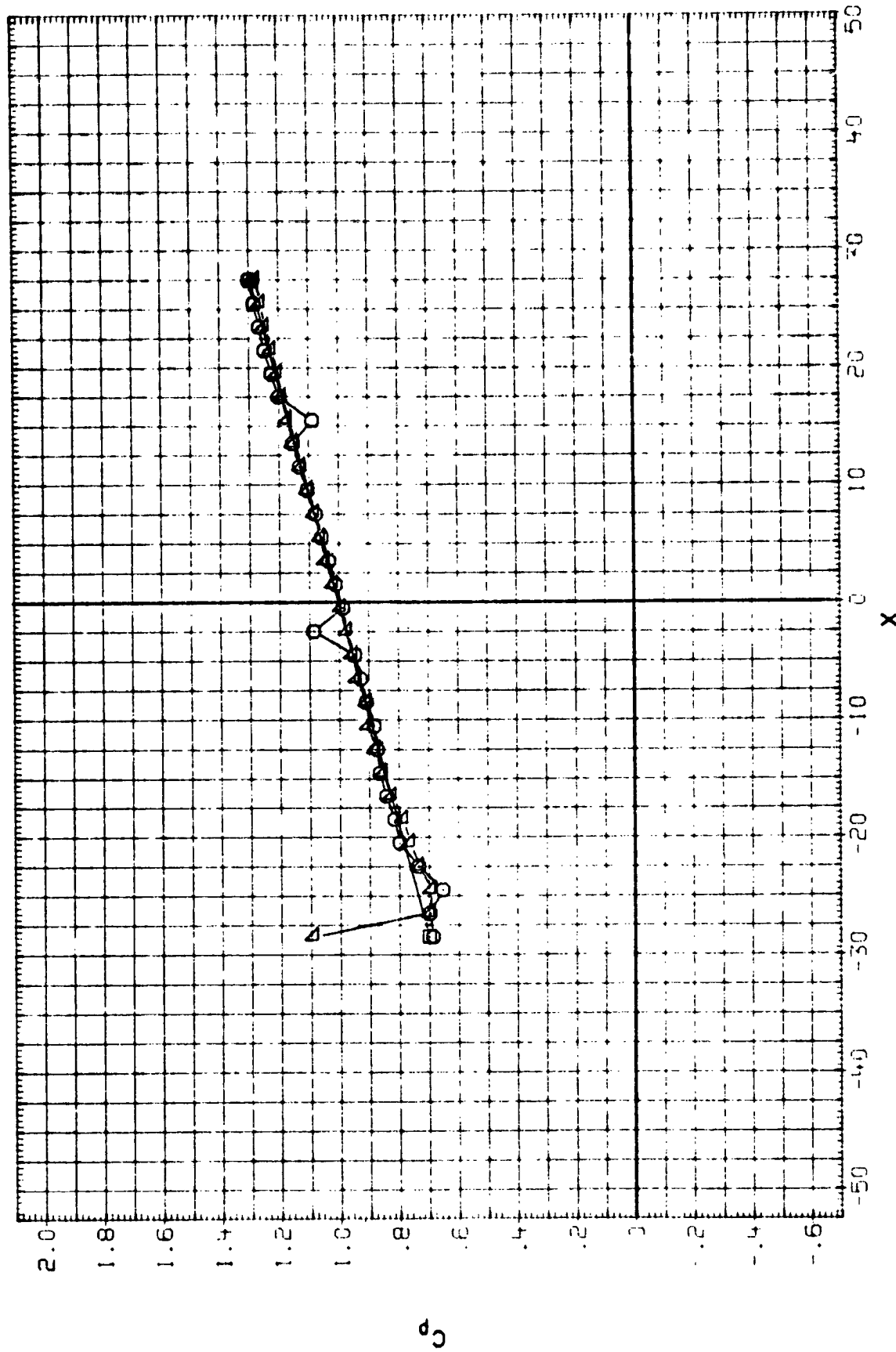


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 OS8A.8 SF2 + PA2

PARAMETRIC VALUES
PT 10.110 SF2 37.000

MACH 2.000

PT 10.100

Y -13.500
-6.500
-1.500
6.500
13.500

SYMBOL
□ □ ◇ △

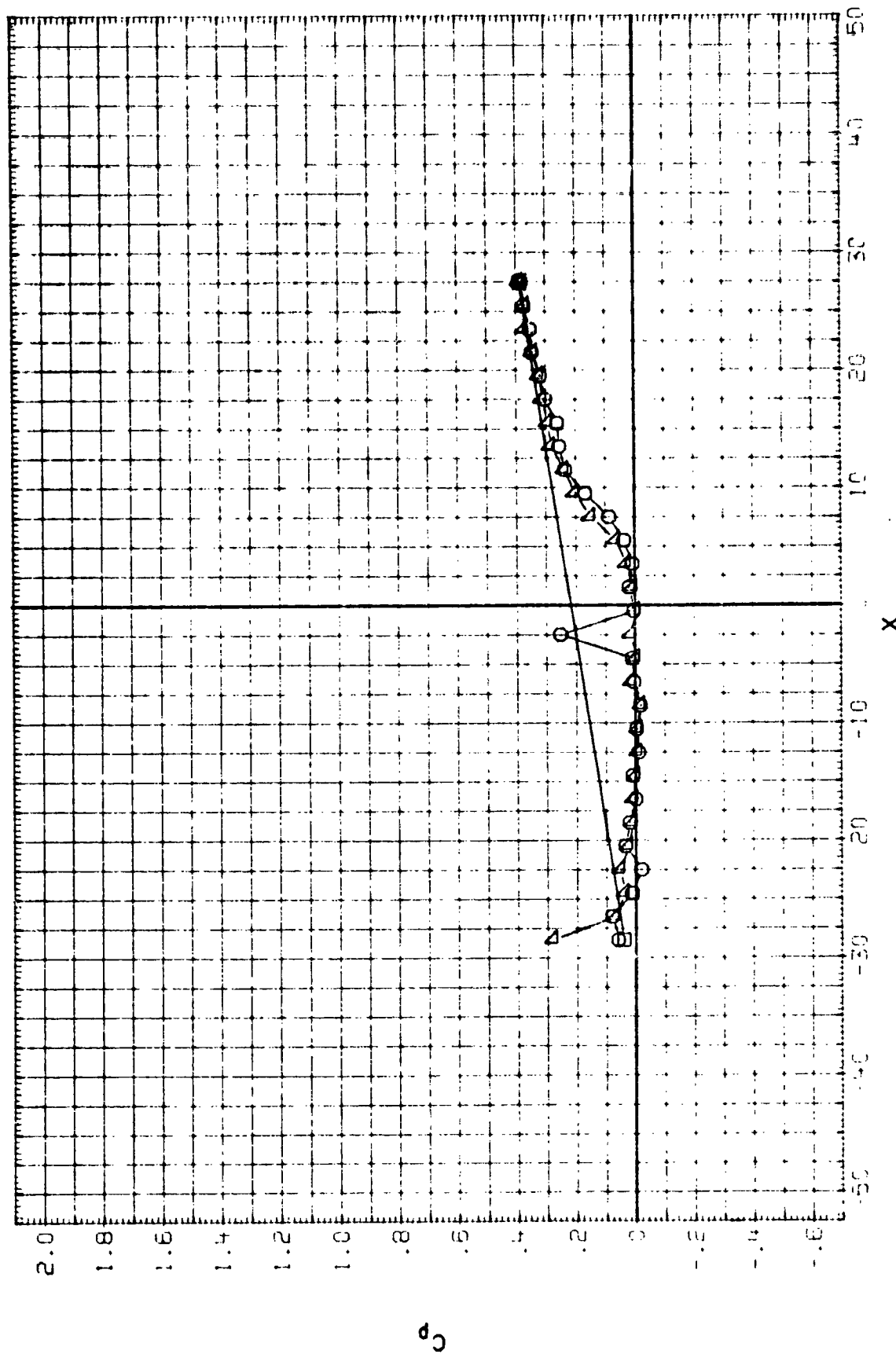


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 OS8A.B SF2 + PA2

SYMBOL	Y	PT	MACH
○	-13.500	10.100	2.100
◇	-6.500		
△	-500		
▽	6.500		
◊	13.500		

PARAMETRIC VALUES
PT 10.110 SF2 37.000

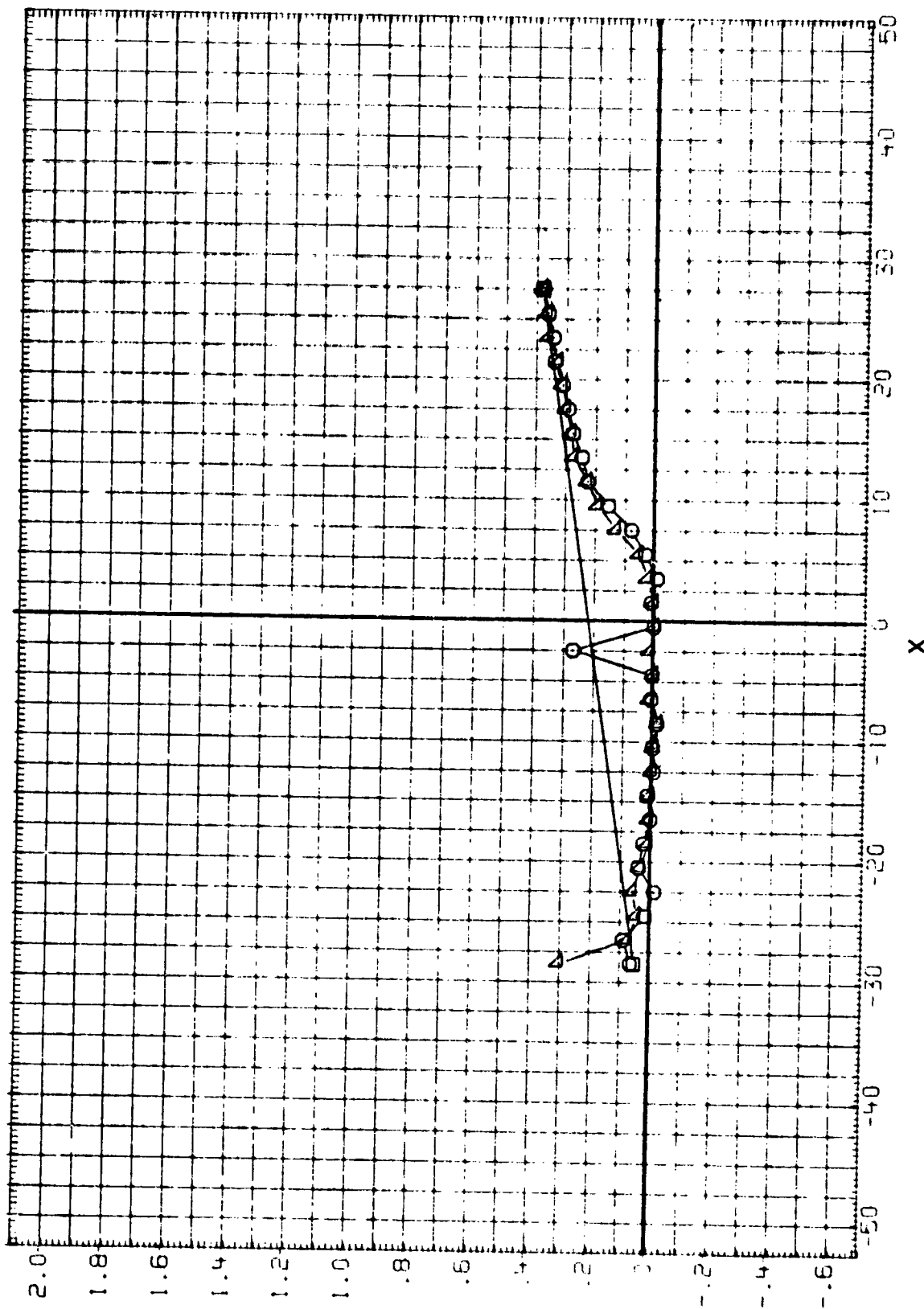


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 058A.B SF2 + PA2

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT MACH
 10.110 2.200

PARAMETRIC VALUES
 PT SF2 37.000

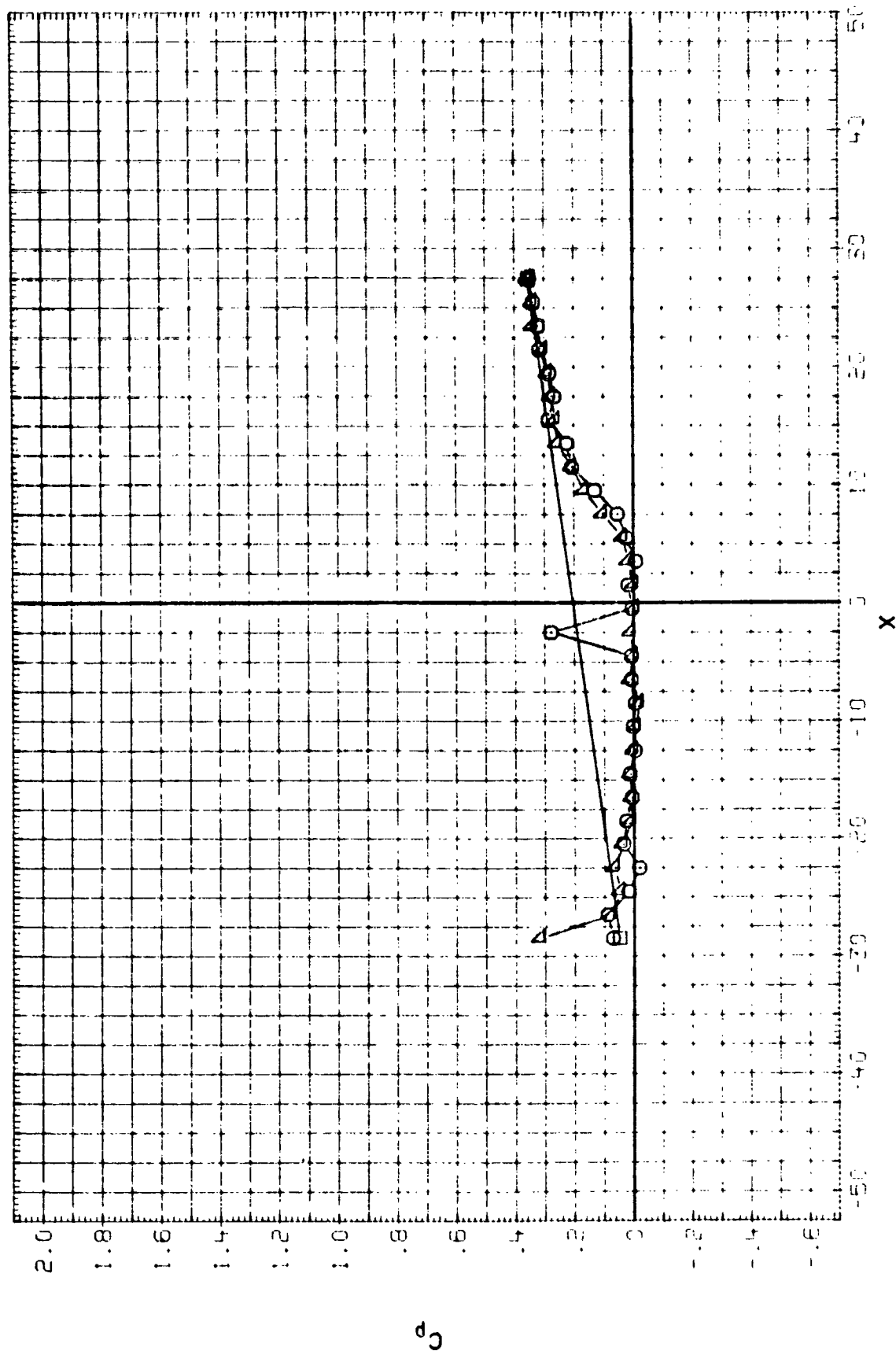


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 058A.B SF2 + PA2

SYMBOL

□ ◇ △

-3.500
-6.500
-5.500
6.500
13.500

PT MACH
10.110 2.301

PT SF2
10.110 37.000

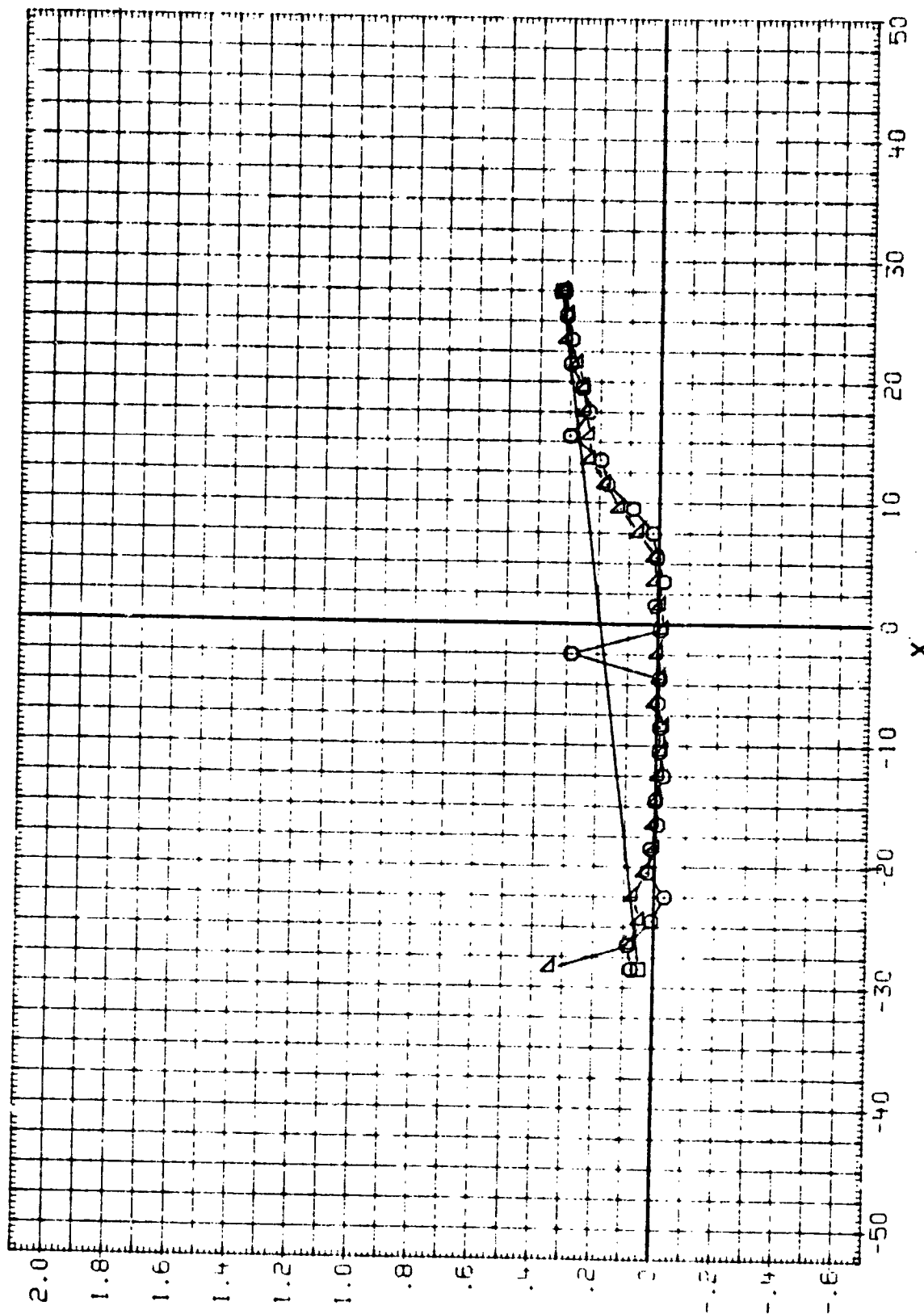


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP37) AMES 11-97-010 058A,B SF2 + PA2

PARAMETRIC VALUES
PT 10.110 SF2 37.000

PT 10.110 MACH 2.400

Y
-13.500
-6.500
-1.500
6.500
13.500

SYMBOL
□ ◇ △

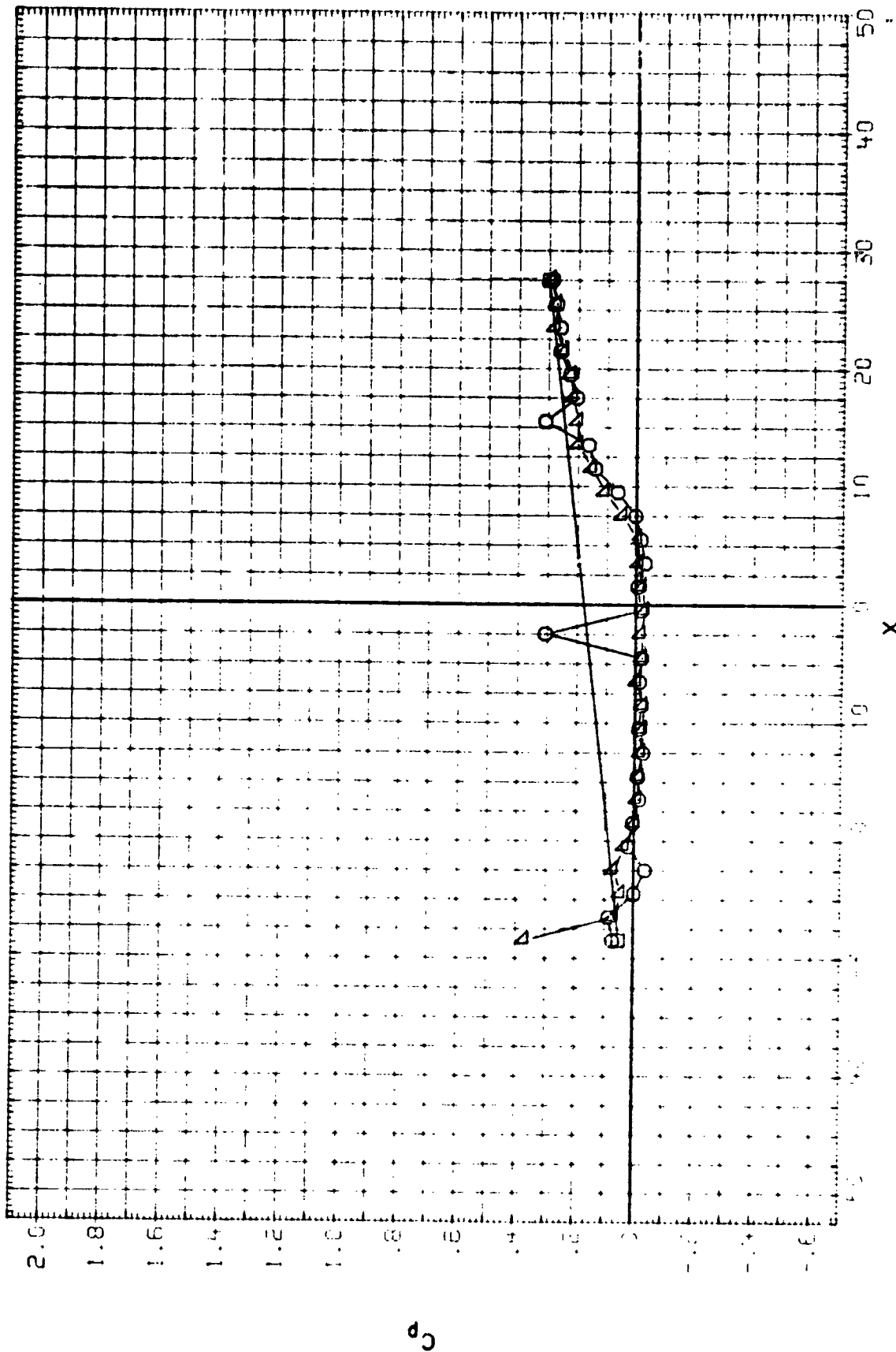


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP38) AMES 11-97-010 058A.B SF2 + PA2

SYMBOL Y
 00000
 -13.500
 -6.500
 6.500
 13.500

PT 15.500 2.000

PARAMETRIC VALUES
 SF2 37.000

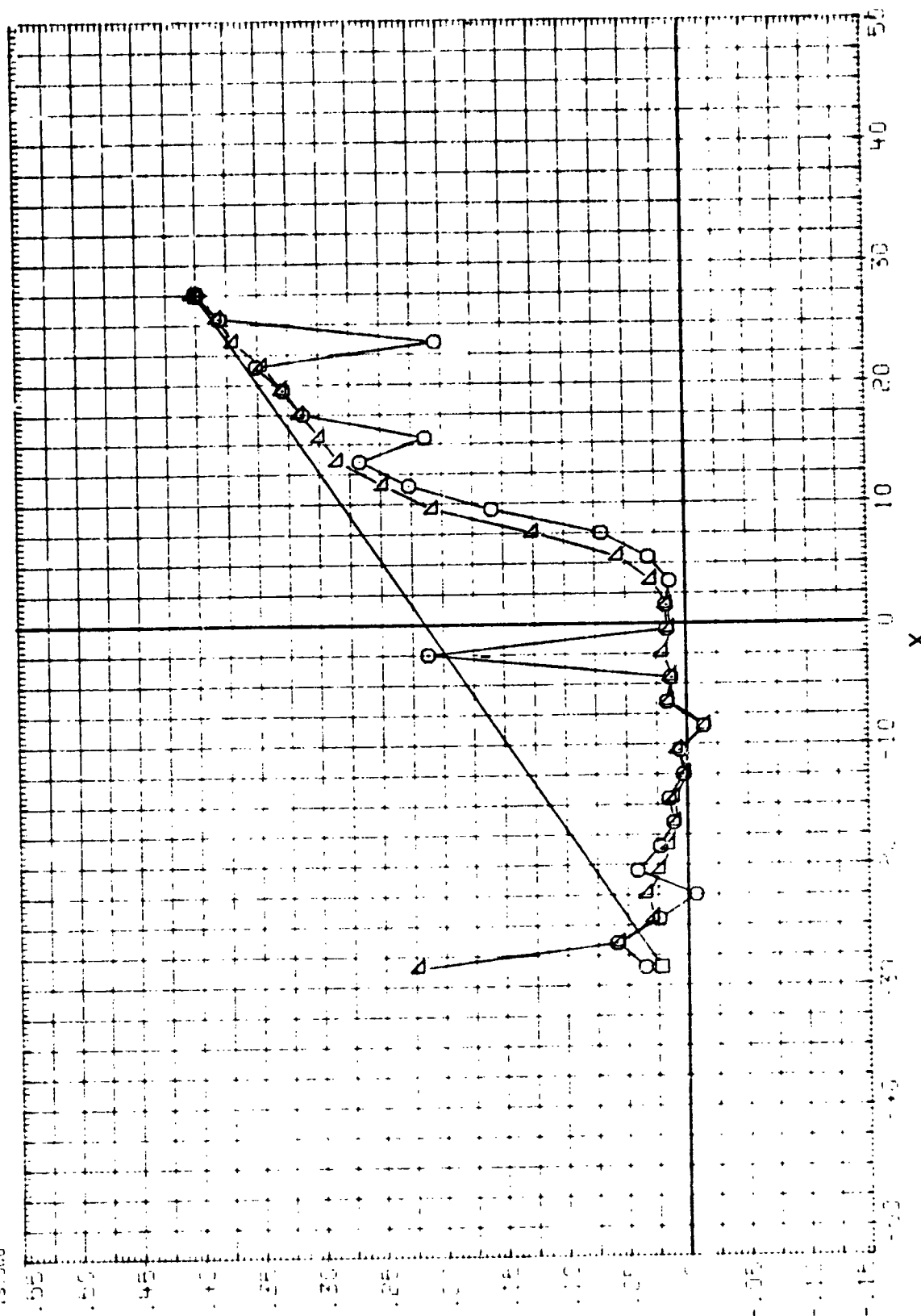


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP39) AMES 11-97-010 058A,B SF2 + (PA2)A

SYMBOL
 -13.500
 -6.500
 -500
 6.500
 13.500

PT
 10.100
 MACH
 1.600

PARAMETRIC VALUES
 10.110 SF2 37.080

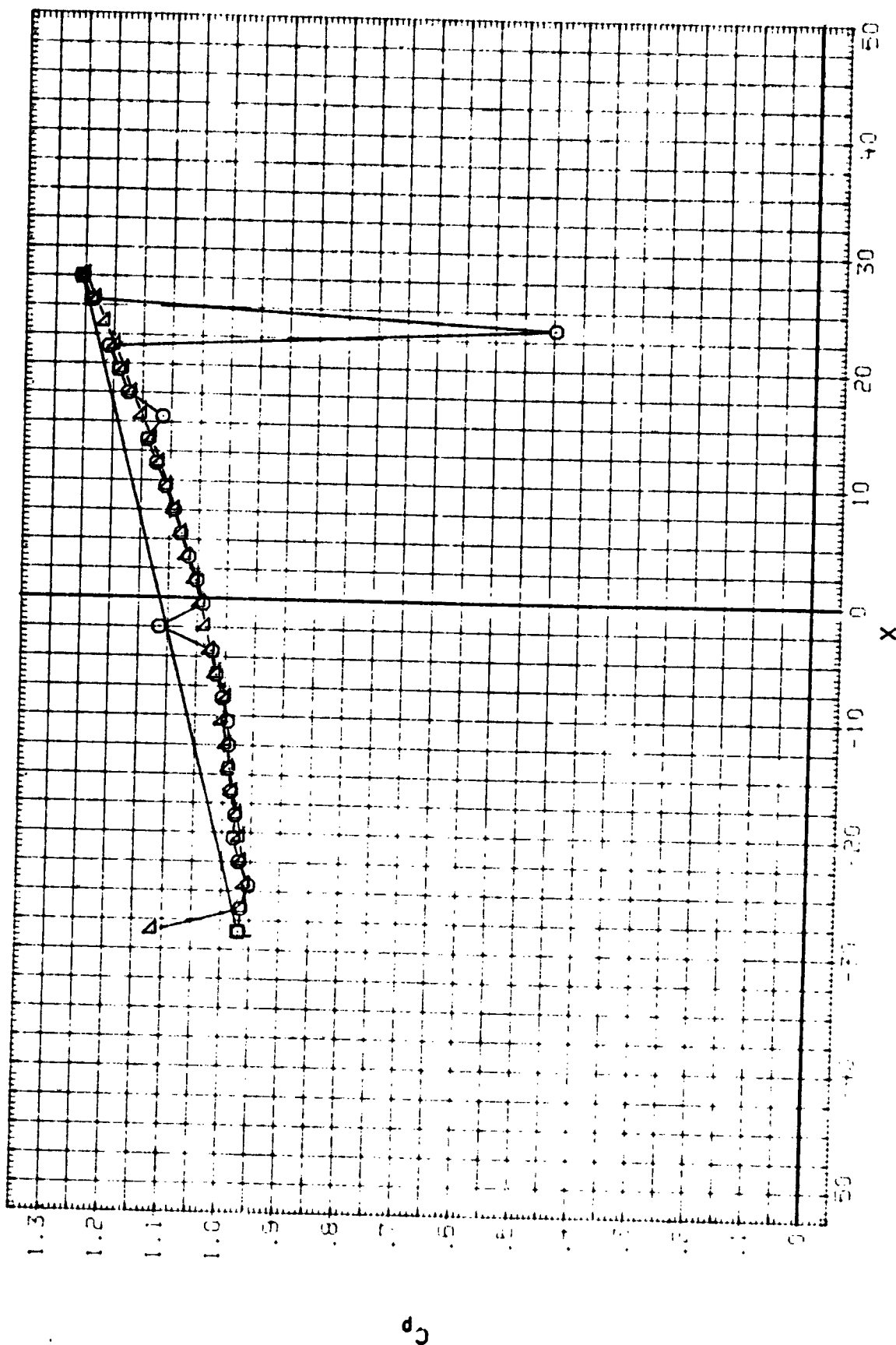


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP39) AMES 11-97-010 OS8A.B SF2 + (PA2)A

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT 10.100 MACH 1.800

PT 10.110 SF2 37.000

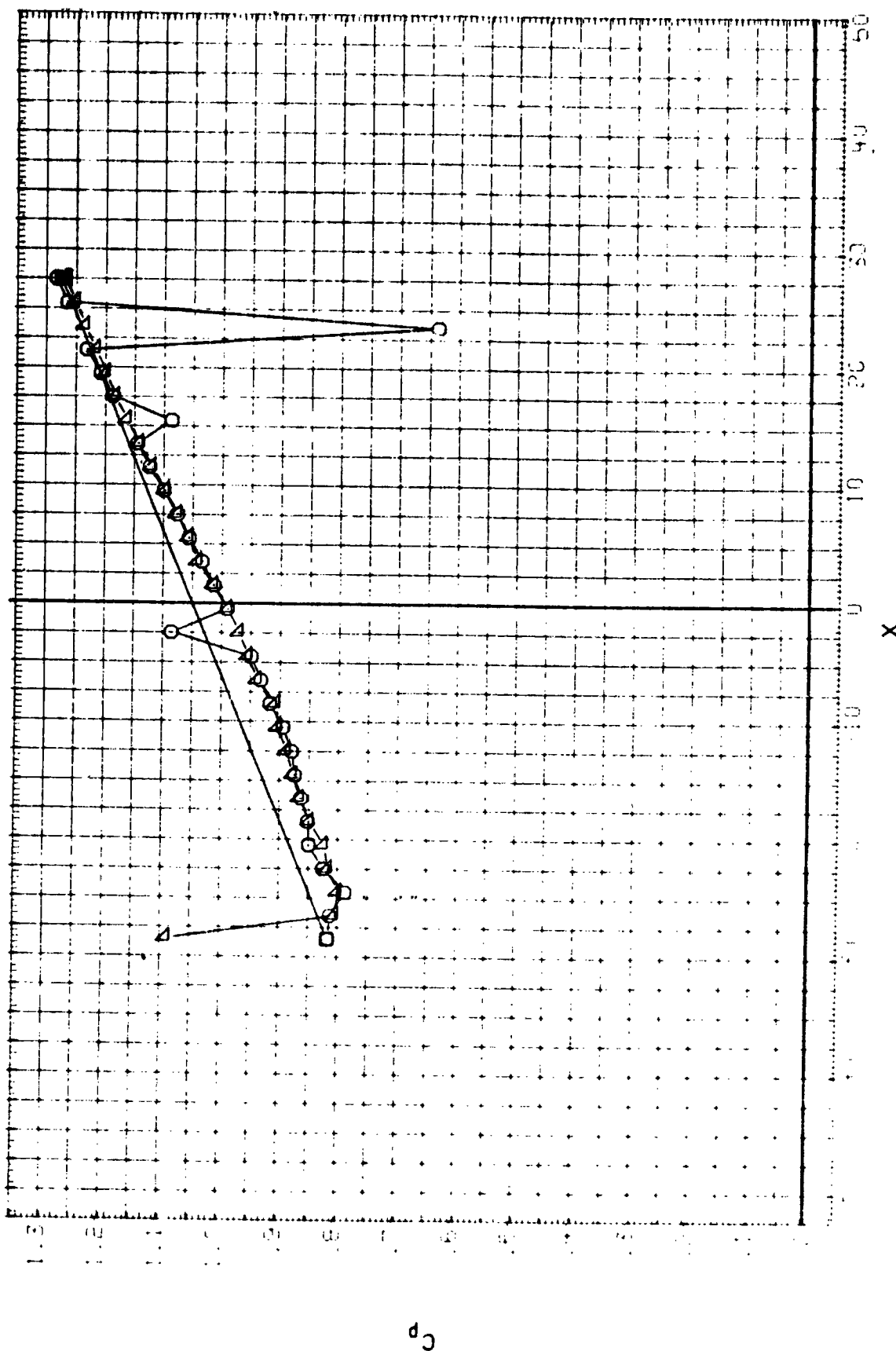


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP39) AMES 11-97-U10 058A.B SF2 + (PA2)A

SYMBOL V PT MACH
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 10.110 SF2 37.000

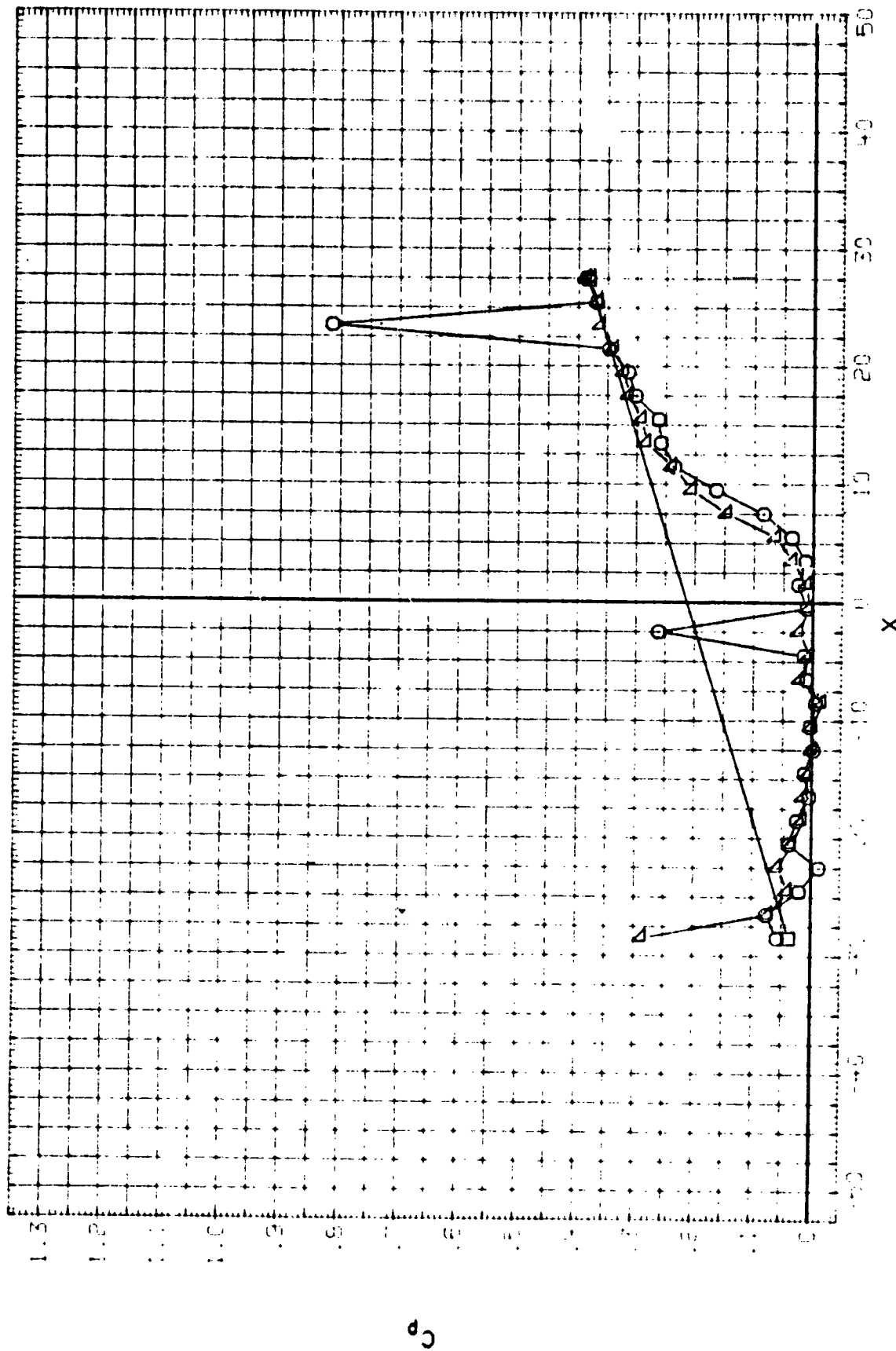


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP39) AMES 11-97-010 OS8A.B SF2 + (PA2)A

SYMBOL Y
 -13.500
 -6.500
 -500
 6.500
 13.500

PT 10.090 MACH 2.200

PARAMETRIC VALUES
 PT 10.110 SF2 37.000

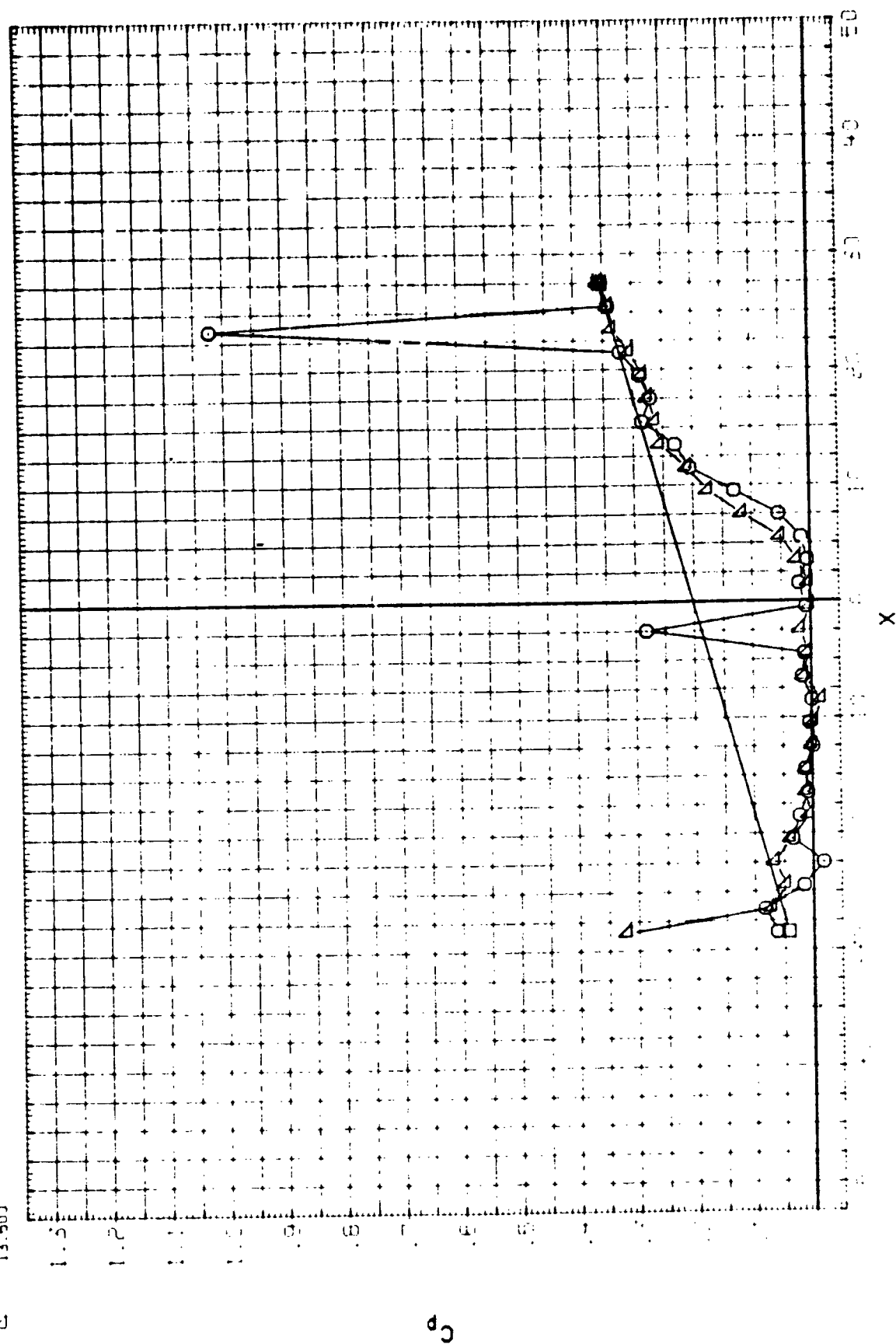


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP39) AMES 11-97-010 058A,B SF2 + (PA2)A

SYMBOL Y PT MACH
 -13.500
 -6.500
 -1.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 10.110 SF2 37.000

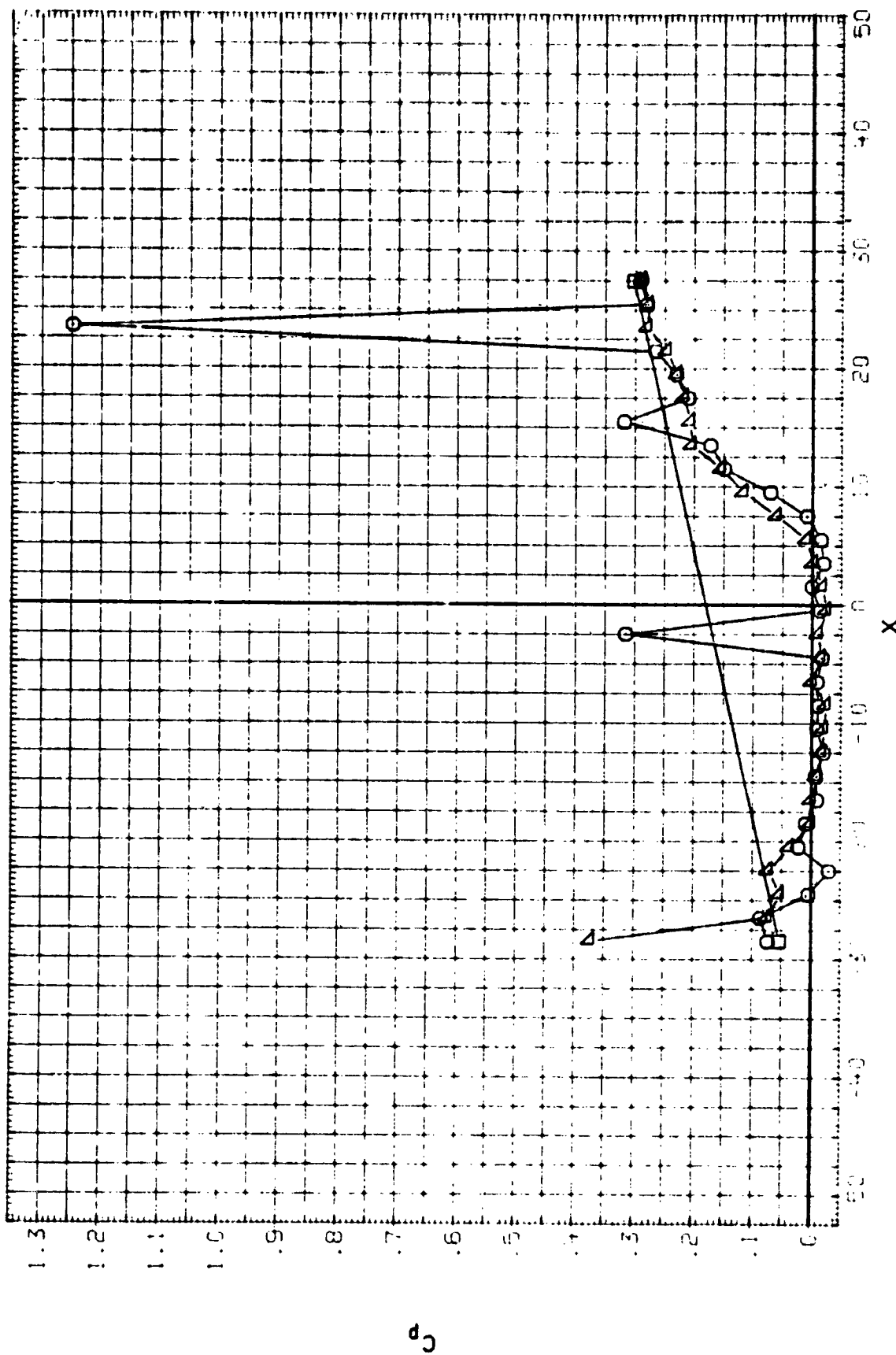


FIG. 26 STATIC SURFACE PRESSURES - RIGID PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 OS8A.B SF2 + PA1

SYMBOL	Y	PT	MACH
○	-13.500	10.120	1.600
□	-6.500		
△	-5.500		
◇	6.500		
▽	13.500		

PARAMETRIC VALUES
PT 10.110 SF2 37.000

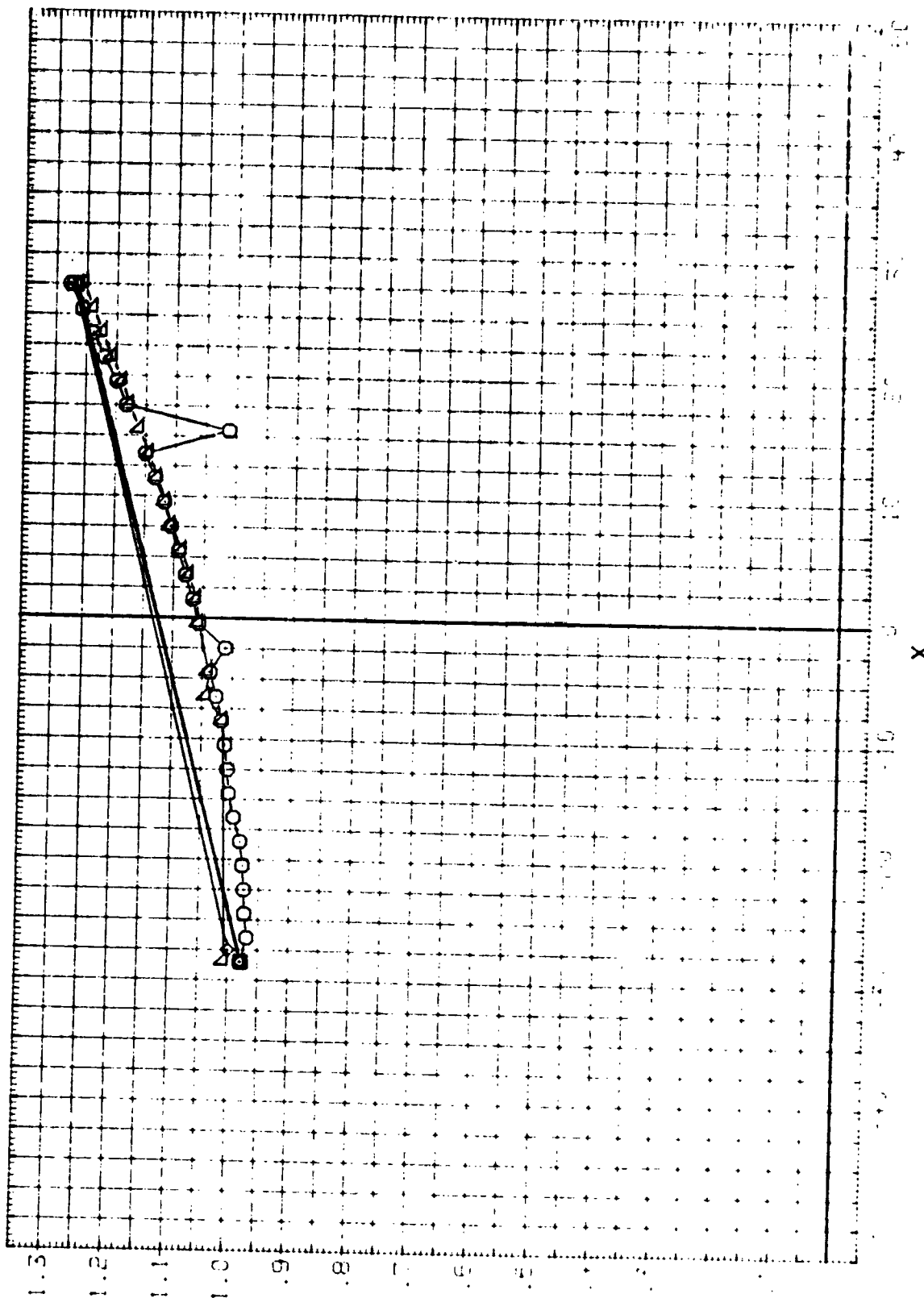


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 OS8A,B SF2 + PA1

SYMBOL

$\square$ -13.500
 $\diamond$ -6.500
 $\triangle$ -3.500
 $\circ$ 6.500
 $\times$ 13.500

PT 10.110 MACH 1.700

PAPAMETRIC VALUES
PT 10.110 SF2 37.000

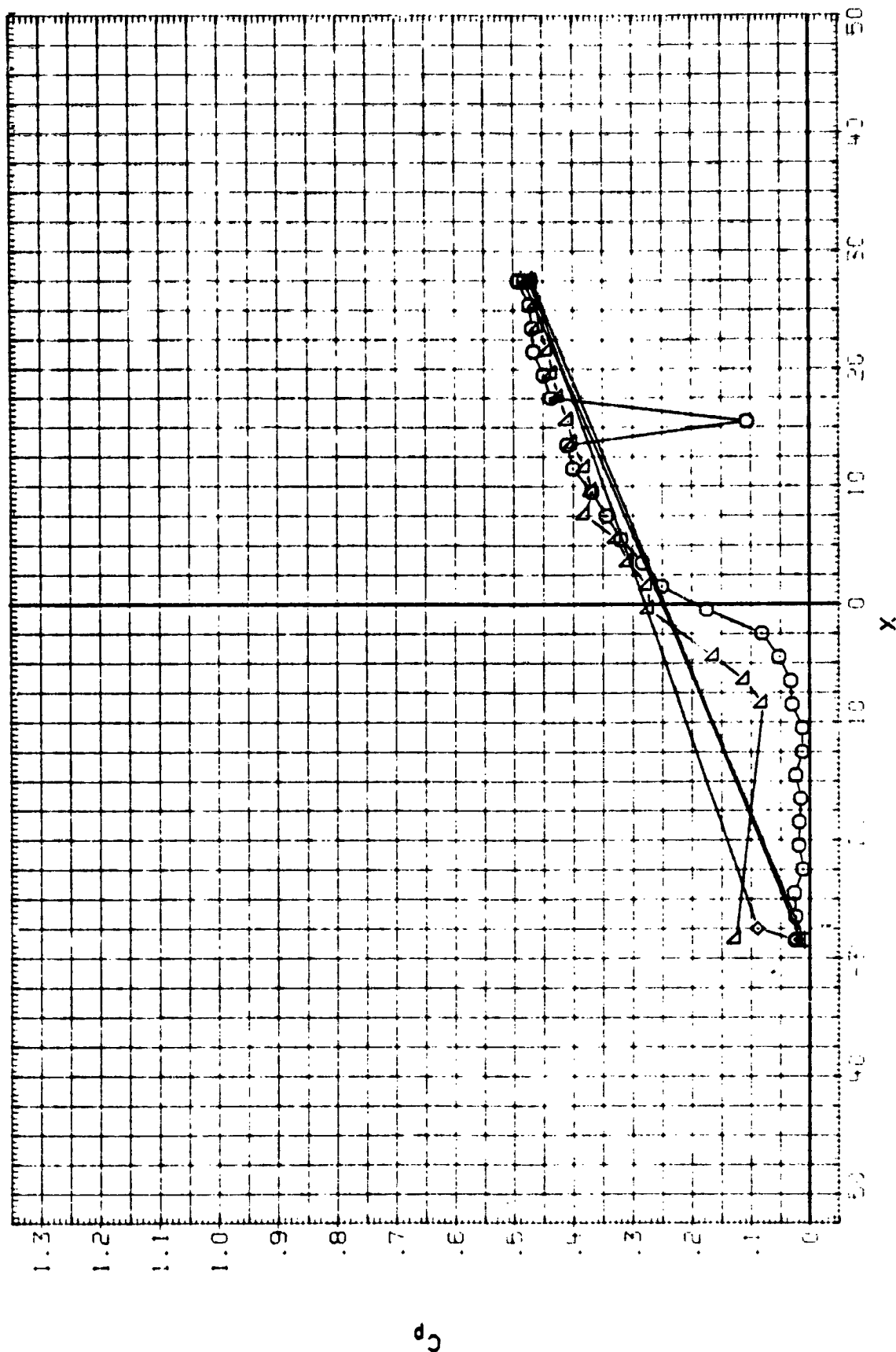


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 OS8A.B SF2 + PA1

SYMBOL Y
 -13.500
 -6.500
 6.500
 13.500

PT 10.110

MACH 1.800

PT 10.110 SF2 37.000

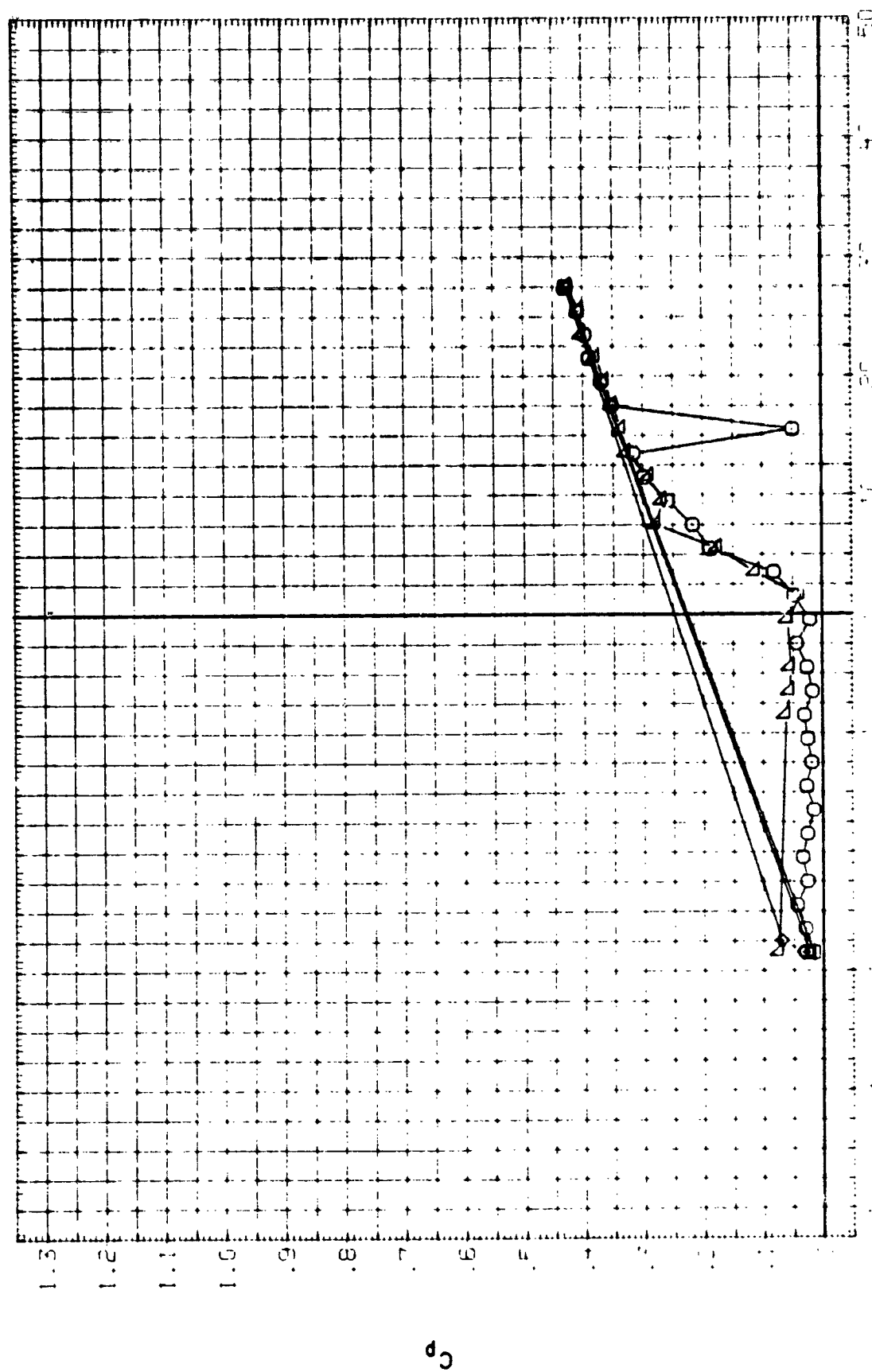


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 058A,B SF2 + PA1

SYMBOL
 -13.500
 -6.500
 -5.000
 6.500
 13.500

PT 10.120 MACH 1.900

PT 10.110 SF2 37.000

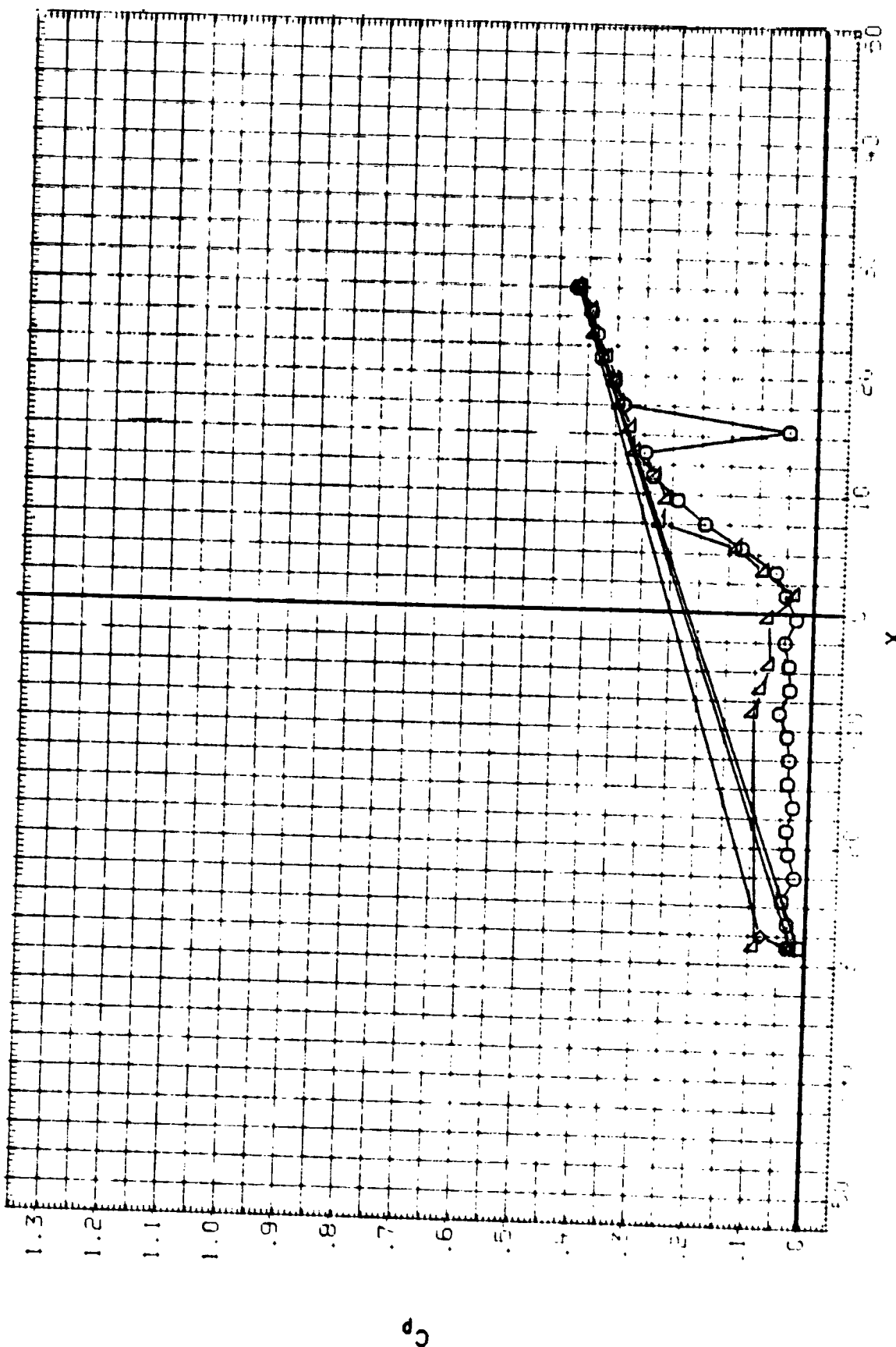


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 058A,B SF2 + PA1

SYMBOL
 13 500
 16 500
 15 500
 13 500

Pt MACH
 10.110 2.000

PARAMETRIC VALUES
 10.110 SF2 37.000

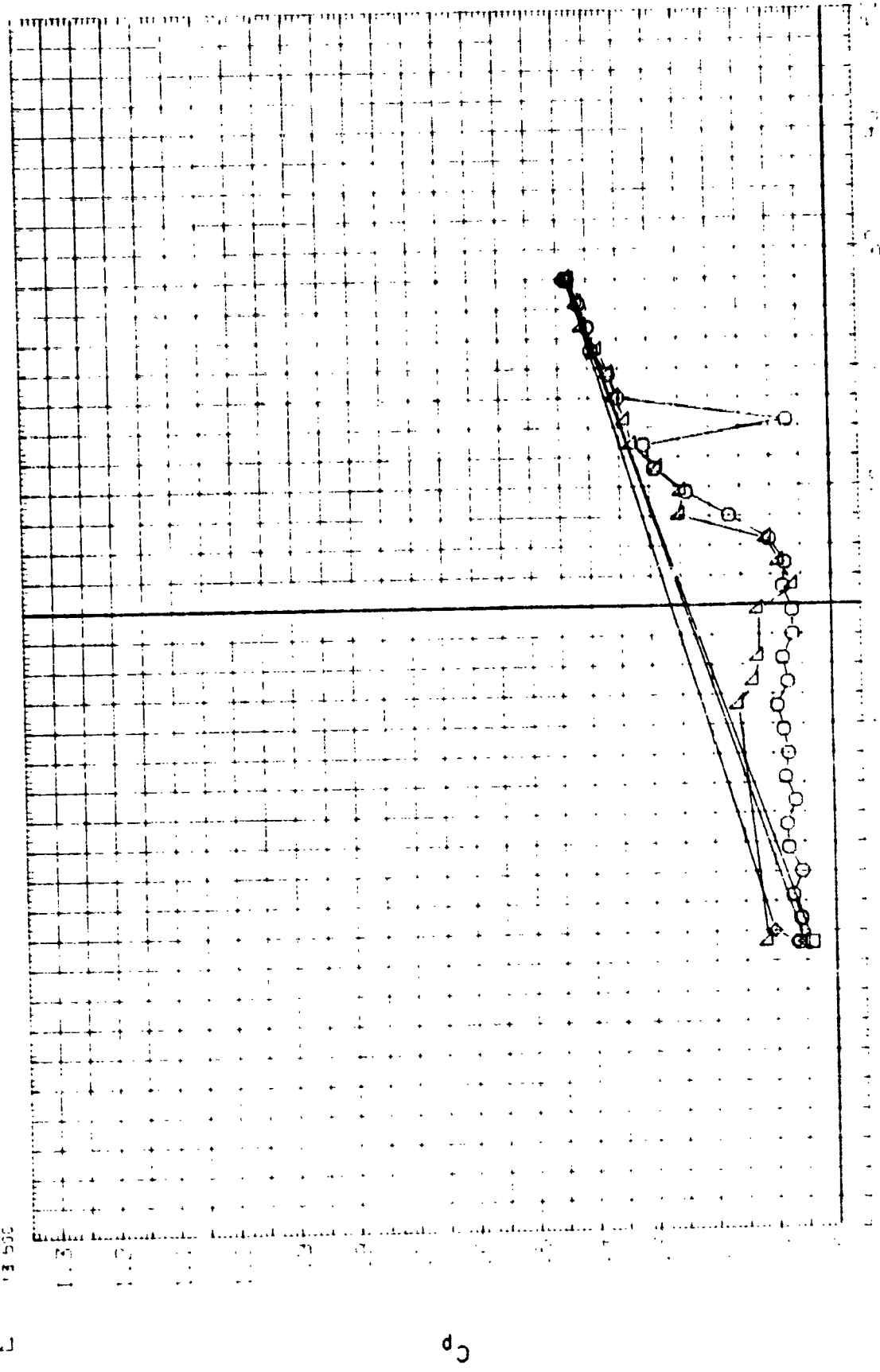


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

C-17 (REXP40) AMES 11-97-010 OS8A.F CF2 FA1

PT 10.110 MACH 2.100

PARAMETRIC VALUES
10.110 SF2

37.838

SYMBOL
-13.500
-6.500
-1.500
6.500
13.500

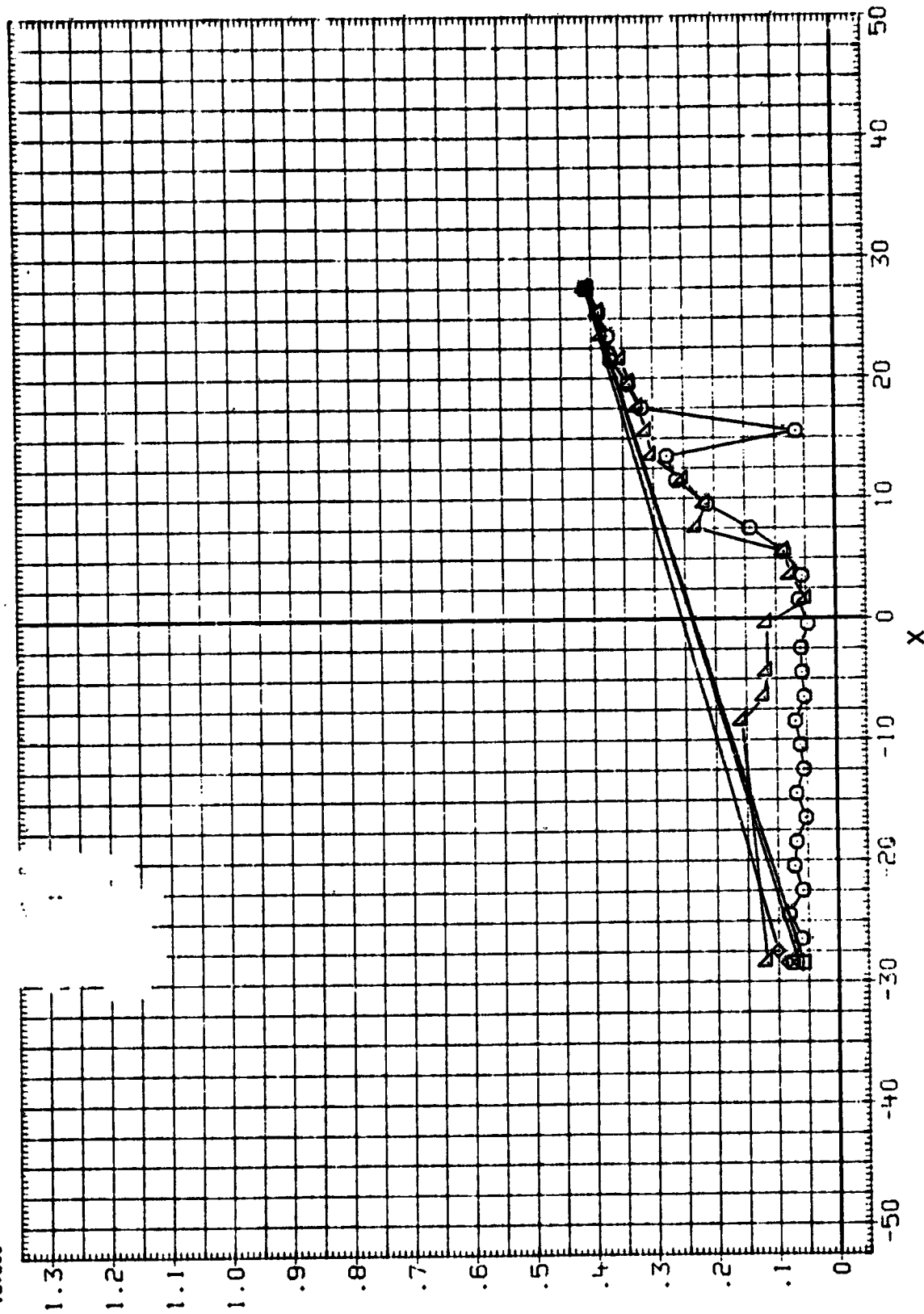


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 OS8A.8 SF2 + PA1
 SYMBOL Y PT MACH
 -13.500
 -6.500
 -500
 6.500
 13.500

PARAMETRIC VALUES
 10.110 SF2 37.000
 PT

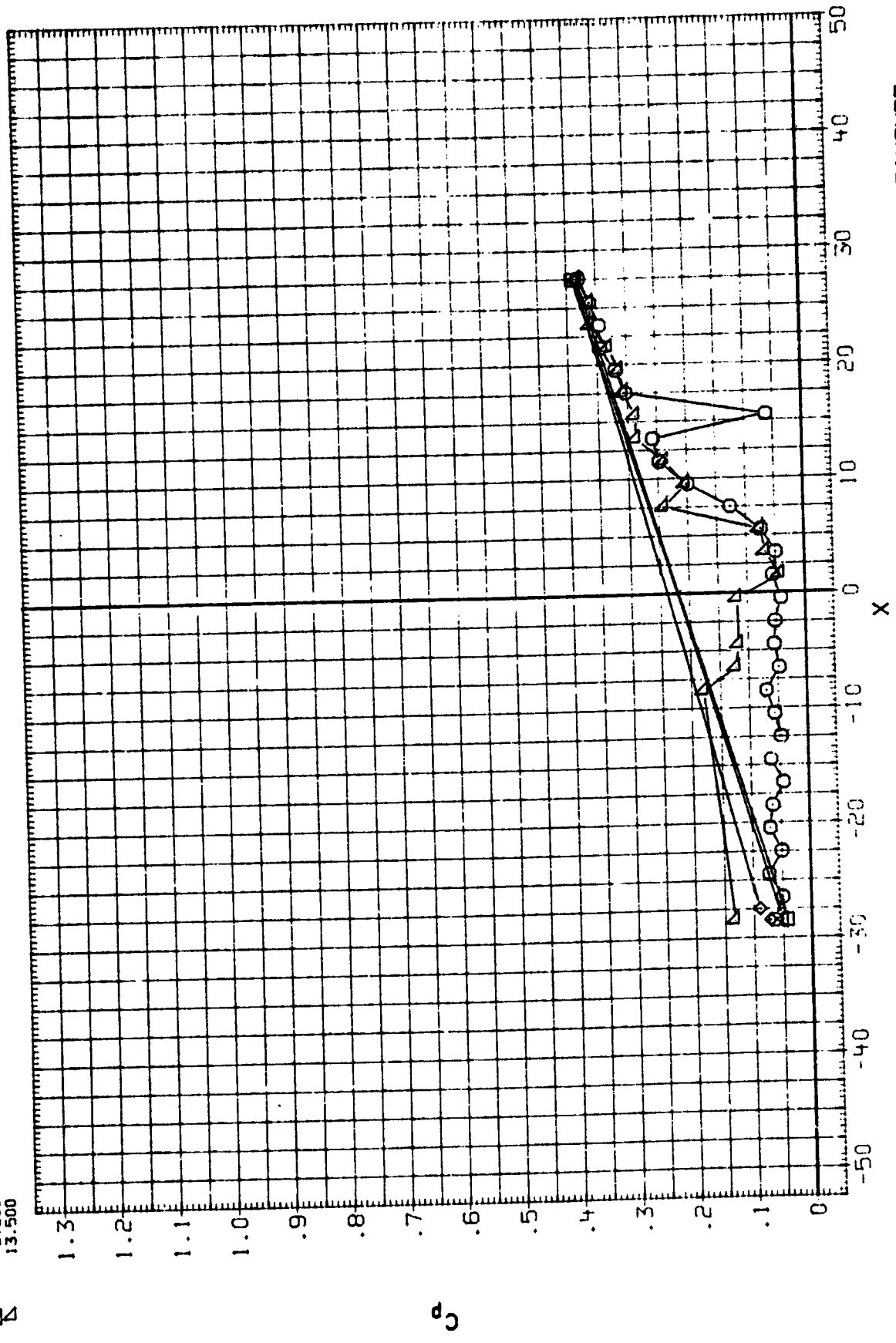


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 OS8A.B SF2 + PA1

SYMBOL Y
-13.500
-6.500
-500
6.500
13.500

PT MACH
10.100 2.301

PARAMETRIC VALUES
10.110 SF2 37.000

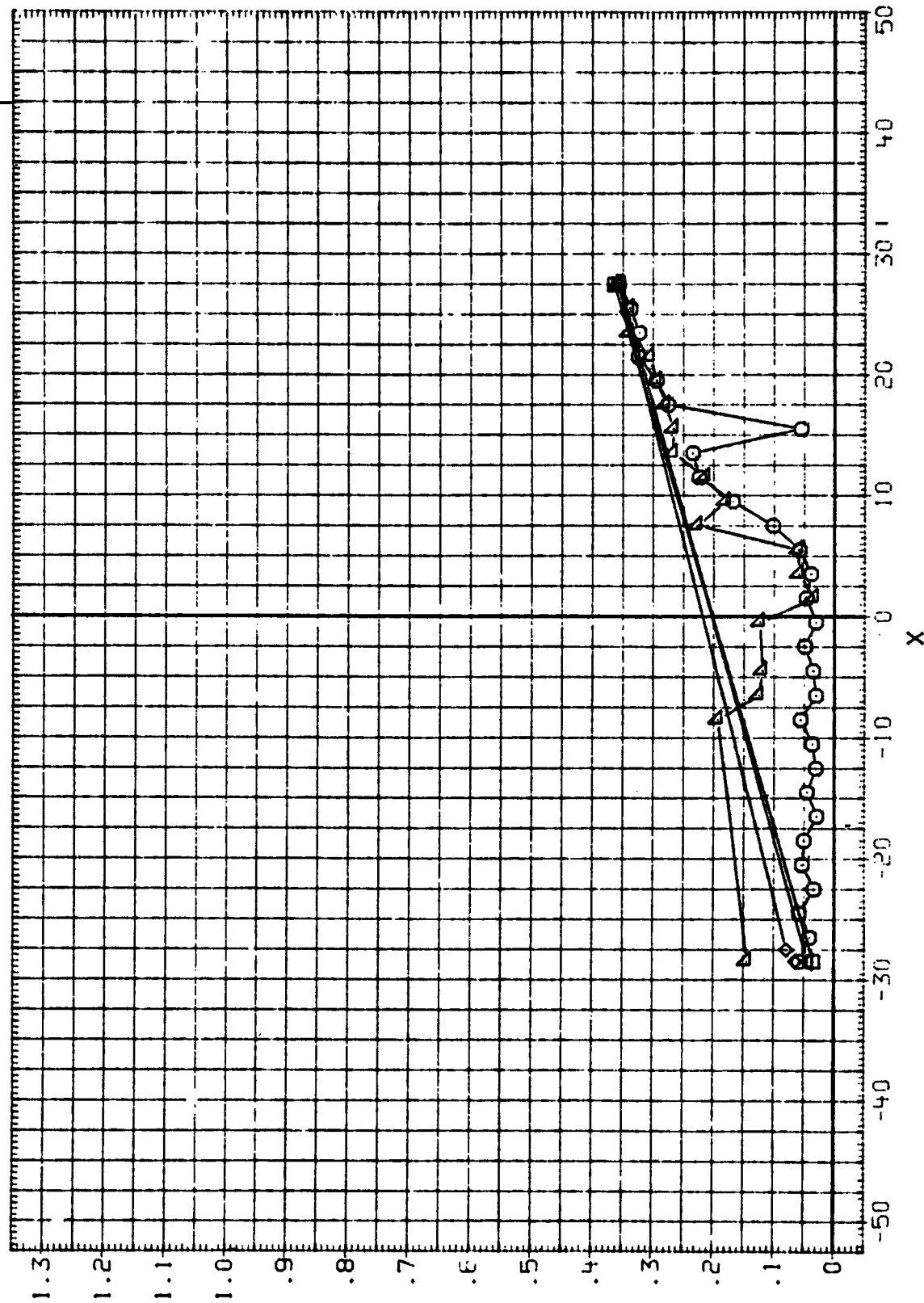


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 058A,B SF2 + PA1

SYMBOL Y
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PT 10.090 MACH 2.400

PARAMETRIC VALUES
 10.110 SF2 37.000

PT

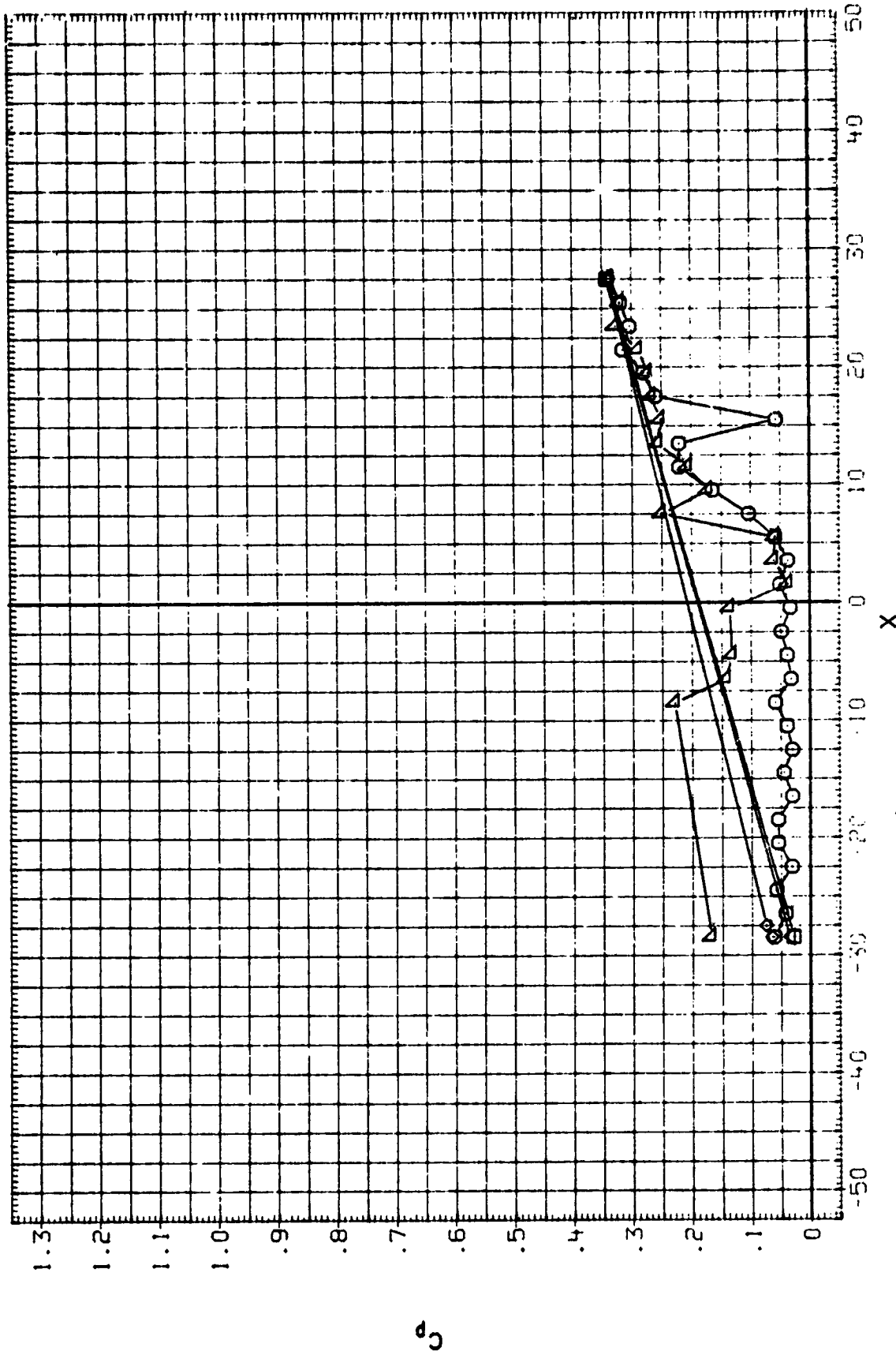


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP40) AMES 11-97-010 OS8A.B SF2 + PAI

PARAMETRIC VALUES
10.110 SF2 37.000

PT

MACH 2.504

SYMBOL Y
-13.500
-6.500
-500
6.500
13.500

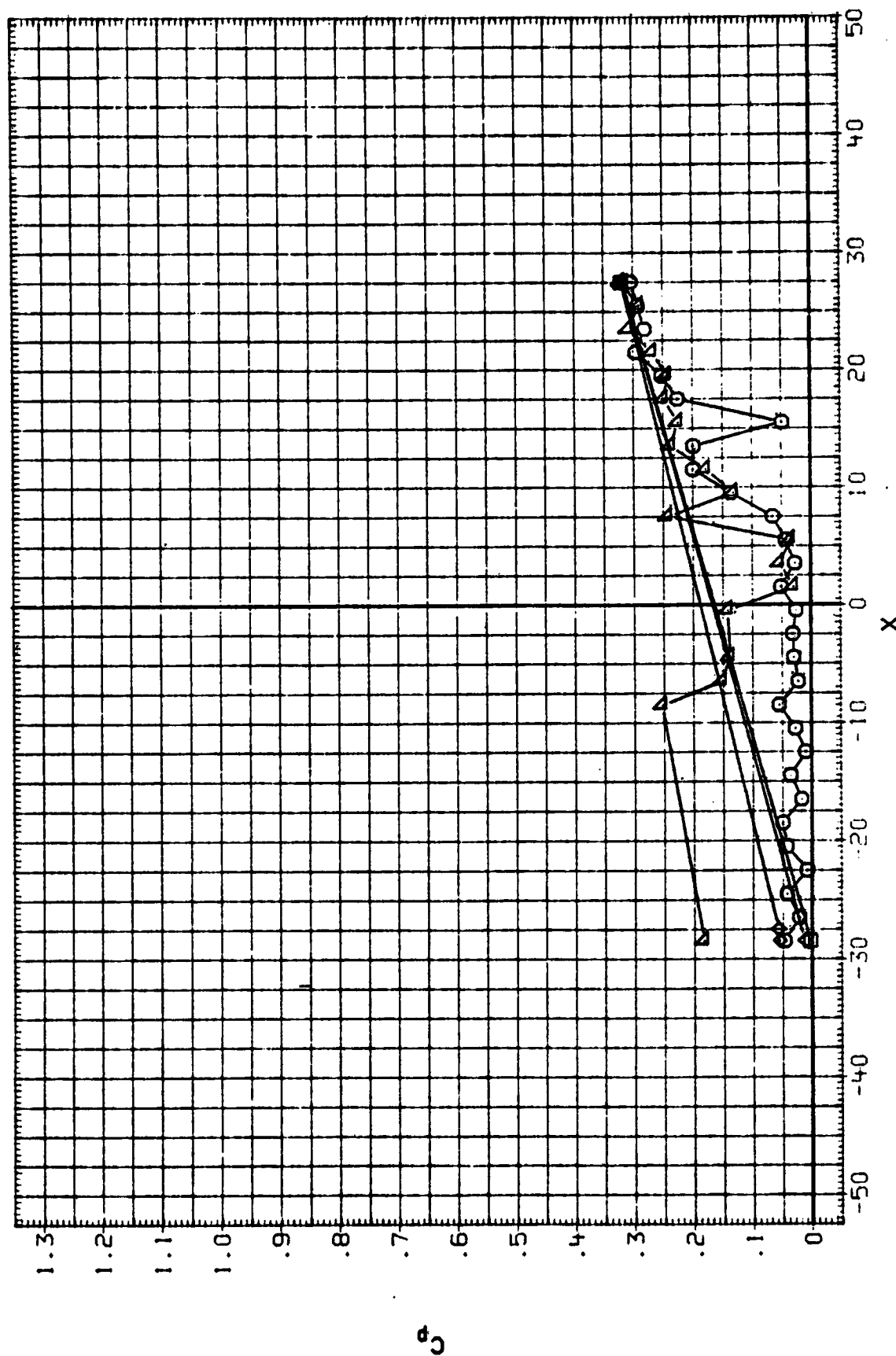


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

(REXP41) AMES 11-97-010 OS8A,B SF2 + PA1
 SYMBOL Y PT MACH
 -13.500
 -6.500
 -5.500
 6.500
 13.500

PARAMETRIC VALUES
 PT 37.000
 SF2 10.110
 PBOX 4.600

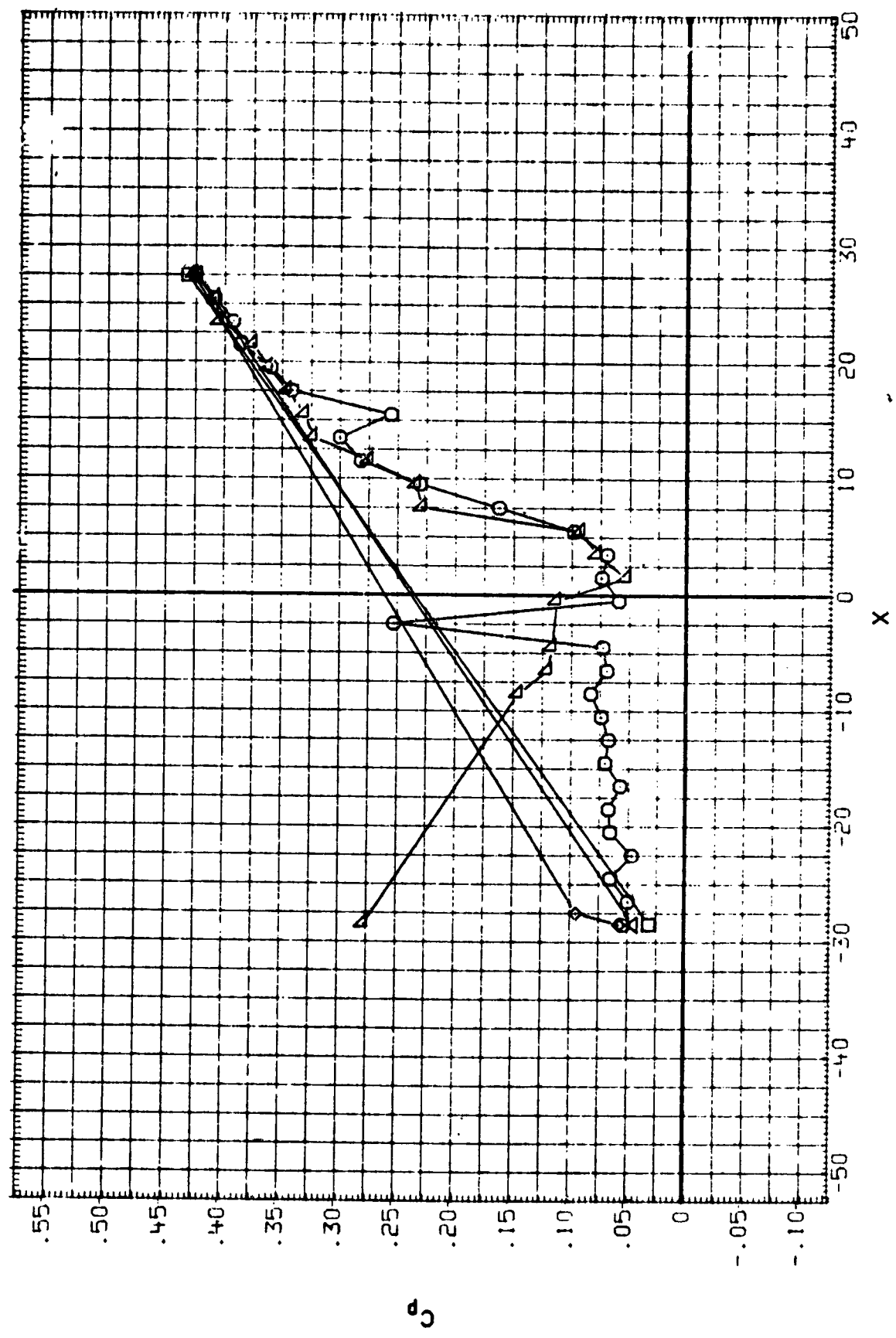


FIG. 27 STATIC SURFACE PRESSURES - ELASTIC PANEL - COMPRESSION SHOCK FIXTURE

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 1

AMES 11-97-010 058A,B PA3 + BRA

(REX001) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 DLPOS = 2.000

RUN NO. 7/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.598	.100	.91300
.598	.200	.88880
.598	.300	.88880
.598	.400	.87800
.598	.500	.87800
.598	.600	.87350
.598	.700	.87380
.598	.800	.86960
.598	.900	.85990
.598	1.000	.85210
.598	1.750	.84350
.598	2.500	.82360
.598	3.250	.80560
.598	6.000	.78630
.598	8.000	.78630
.598	10.000	.78630
.598	12.000	.78620
.598	14.000	.78610
.598	16.000	.78310
	GRADIENT	-.02905

RUN NO. 8/ 0 RN/L = 3.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.800	.100	.84050
.800	.200	.82140
.800	.300	.81070
.800	.400	.80400
.800	.500	.80390
.800	.600	.78380
.800	.700	.79100
.800	.800	.76950
.800	.900	.77180
.800	1.000	.75590
.800	1.750	.74680
.800	2.500	.71030
.800	3.250	.68860
.800	6.000	.66050
.800	8.000	.65290
.800	10.000	.65280
.800	12.000	.65280
.800	14.000	.65260
.800	16.000	.65280
	GRADIENT	-.04405

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DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

AVES 11-97-010 OSBA,B PA3 + BRA

PAGE 2

(REX002) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 15/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 2.003

MACH	Z	PS/PT
.599	.100	.91120
.599	.200	.89830
.599	.300	.88800
.599	.400	.87470
.599	.500	.85750
.599	.600	.83710
.599	.700	.81210
.599	.800	.78250
.599	.900	.74910
.599	1.000	.71160
.599	1.750	.64200
.599	2.500	.53000
.599	3.250	.40750
.599	4.000	.28850
.599	5.000	.16530
.599	6.000	.03830
.599	7.000	-.09220
.599	8.000	-.21450
.599	9.000	-.32827
.599	10.000	
.599	12.000	
.599	14.000	
.599	16.000	
.599	GRADIENT	

RUN NO. 16/ 0 RN/L = 3.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.799	.100	.85300
.799	.200	.83150
.799	.300	.82310
.799	.400	.80560
.799	.500	.79570
.799	.600	.79600
.799	.700	.77850
.799	.800	.78150
.799	.900	.77770
.799	1.000	.77760
.799	1.750	.74670
.799	2.500	.73210
.799	3.250	.69740
.799	4.000	.65910
.799	5.000	.65860
.799	6.000	.65730
.799	7.000	.65770
.799	8.000	.65750
.799	9.000	.65740
.799	10.000	.65740
.799	12.000	.65740
.799	14.000	.65740
.799	16.000	.65740
.799	GRADIENT	-.04186

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TABULATED SOURCE DATA - OS8

PAGE 3

AVES 11-97-010 OS8A.B. PA3 + BRA

(REX002) (21 JAN 77)

PARAMETRIC DATA

PT - 12.280 BLPOS - 2.000

RUN NO. 18/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.901	.100	.81520
.901	.200	.77720
.901	.300	.76630
.901	.400	.73920
.901	.500	.75580
.901	.600	.75560
.901	.700	.74180
.901	.800	.72780
.901	.900	.72640
.901	1.000	.73060
.901	1.750	.68720
.901	2.500	.66470
.901	3.250	.63190
.901	6.000	.59300
.901	8.000	.59310
.901	10.000	.59050
.901	12.000	.59050
.901	14.000	.59060
.901	16.000	.59040
	GRADIENT	-.04867

RUN NO. 19/ 0 FN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.205	.100	.72520
1.205	.200	.68120
1.205	.300	.67050
1.205	.400	.63270
1.205	.500	.63020
1.205	.600	.62500
1.205	.700	.61540
1.205	.800	.59690
1.205	.900	.58750
1.205	1.000	.59180
1.205	1.750	.53830
1.205	2.500	.49230
1.205	3.250	.45310
1.205	6.000	.41350
1.205	8.000	.41080
1.205	10.000	.41060
1.205	12.000	.41030
1.205	14.000	.41030
1.205	16.000	.41030
	GRADIENT	-.07577

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DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AVES 11-97-010 058A.8 PA3 + BRA

PAGE 4

(REX002) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 21/ 0 RN/L = 3.70 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPJS = 2.000

MACH	Z	PS/PT
1.399	.100	.64020
1.399	.200	.60730
1.399	.300	.58120
1.399	.400	.56240
1.399	.500	.54280
1.399	.600	.53240
1.399	.700	.51390
1.399	.800	.52020
1.399	.900	.50190
1.399	1.000	.49420
1.399	1.750	.45530
1.399	2.500	.38180
1.399	3.250	.35940
1.399	6.000	.32920
1.399	8.000	.32970
1.399	10.000	.32880
1.399	12.000	.32920
1.399	14.000	.32880
1.399	16.000	.32880
	GRADIENT	-.08170

AMES 11-97-010 058A.B PA3 + BRA

(REX003) (21 JAN 77) PAGE 5

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 17/ 0 RV/L = 3.40 GRADIENT INTERVAL = -5.00/ 5.00

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RUN NO.	20/ 0	RN/L =	3.76	GRADIENT INTERVAL =	-5.00/	5.00
---------	-------	--------	------	---------------------	--------	------

PS/PT	Z	MACh
.72370	.100	1.1205
.68110	.200	1.1205
.67020	.300	1.1205
.64870	.400	1.1205
.63260	.500	1.1205
.61810	.600	1.1205
.61670	.700	1.1205
.60370	.800	1.1205
.59460	.900	1.1205
.58420	1.000	1.1205
.53650	1.750	1.1205
.47510	2.500	1.1205
.44800	3.250	1.1205
.41160	6.000	1.1205
.41060	8.000	1.1205
.41010	10.000	1.1205
.41010	12.000	1.1205
.41020	14.000	1.1205
.41010	16.000	1.1205
-.08021	GRADIENT	

DATE 21 JAN 77

TABLATED SOURCE DATA - 058

PAGE 6

AMES 11-97-010 058A.8 PA3 + BRA : BGI

(REXOG) (21 JAN 77)

PARAMETRIC DATA

PT 12.280 BLPOS = 2.000

RUN NO. 26/ 0 RV/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.601	.100	.92520
.601	.200	.92070
.601	.300	.91510
.601	.400	.91130
.601	.500	.90170
.601	.600	.90610
.601	.700	.90700
.601	.800	.89900
.601	.900	.89550
.601	1.000	.89670
.601	1.750	.88610
.601	2.500	.86770
.601	3.250	.85250
.601	6.000	.79080
.601	8.000	.78450
.601	10.000	.78210
.601	12.000	.78200
.601	14.000	.78200
.601	16.000	.78210
	GRADIENT	-.02118

RUN NO. 27/ 0 RV/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.804	.100	.88500
.804	.200	.86980
.804	.300	.86840
.804	.400	.85470
.804	.500	.85240
.804	.600	.85040
.804	.700	.85050
.804	.800	.84160
.804	.900	.84340
.804	1.000	.83880
.804	1.750	.82580
.804	2.500	.80790
.804	3.250	.79130
.804	6.000	.6140
.804	8.000	.540
.804	10.000	.50
.804	12.000	.50
.804	14.000	.50
.804	16.000	.50
	GRADIENT	-.02775

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

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(REX004) (21 JAN 77)

AXES 11-97-010 OSBA.B PA3 + BRA + B01

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 28/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.903	.100	.87320
.503	.200	.85610
.903	.300	.84170
.903	.400	.83810
.903	.500	.83050
.903	.600	.82430
.903	.700	.82638
.903	.800	.82170
.903	.900	.83170
.903	1.000	.82310
.903	1.750	.80420
.903	2.500	.76910
.903	3.250	.73600
.903	6.000	.63480
.903	8.000	.59680
.903	10.000	.58960
.903	12.000	.58960
.903	14.000	.58948
.903	16.000	.58960
	GRADIENT	-.03640

RUN NO. 29/ 0 RN/L = 3.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.204	.100	.75630
1.204	.200	.72700
1.204	.300	.70560
1.204	.400	.68990
1.204	.500	.68510
1.204	.600	.67430
1.204	.700	.66550
1.204	.800	.66270
1.204	.900	.66310
1.204	1.000	.65600
1.204	1.750	.61230
1.204	2.500	.58160
1.204	3.250	.54010
1.204	6.000	.42450
1.204	8.000	.41160
1.204	10.000	.41200
1.204	12.000	.41220
1.204	14.000	.41270
1.204	16.000	.41230
	GRADIENT	-.05912

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TABULATED SOURCE DATA - OSB

AMES 11-97-010 OS8A,B PA3 + BRA + BGI

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(REX004) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 30/ 0 RN/L = 3.70 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 2.000

MACH	Z	PS/PT
1.400	.100	.72750
1.400	.200	.66920
1.400	.300	.65850
1.400	.400	.62130
1.400	.500	.61480
1.400	.600	.59980
1.400	.700	.60050
1.400	.800	.58580
1.400	.900	.58260
1.400	1.000	.55740
1.400	1.750	.53160
1.400	2.500	.47110
1.400	3.250	.40840
1.400	6.000	.33100
1.400	8.000	.32900
1.400	10.000	.33030
1.400	12.000	.32930
1.400	14.000	.32850
1.400	16.000	.32810
1.400	GRADIENT	-.08415

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TABLULATED SOURCE DATA - 058

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AVES 11-97-010 058A,B PA3 + BRA + B02

(REX005) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLP05 = 2.000

RUN NO. 34/ 0 RM/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.598	.100	.94690
.598	.200	.94320
.598	.300	.93570
.598	.400	.93450
.598	.500	.92800
.598	.600	.92460
.598	.700	.92500
.598	.800	.92560
.598	.900	.92180
.598	1.000	.92240
.598	1.750	.91470
.598	2.500	.90470
.598	3.250	.90598
.598	6.000	.84310
.598	8.000	.82850
.598	10.000	.80320
.598	12.000	.78450
.598	14.000	.78380
.598	16.000	.78370
	GRADIENT	-.01210

RUN NO. 35/ 0 RM/L = 3.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.801	.100	.91230
.801	.200	.90000
.801	.300	.89300
.801	.400	.89100
.801	.500	.88750
.801	.600	.88650
.801	.700	.88250
.801	.800	.88240
.801	.900	.87350
.801	1.000	.87200
.801	1.750	.86760
.801	2.500	.85500
.801	3.250	.82990
.801	6.000	.76130
.801	8.000	.71920
.801	10.000	.66850
.801	12.000	.65120
.801	14.000	.65100
.801	16.000	.65070
	GRADIENT	-.02119

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TABULATED SOURCE DATA - 058

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AMES 11-97-010 OSEA,B PA3 + BRA + BG2

(REX005) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 36/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.288 BLPOS = 2.000

MACH	Z	PS/PT
.899	.100	.89740
.899	.200	.88330
.899	.300	.87110
.899	.400	.86690
.899	.500	.86260
.899	.600	.85840
.899	.700	.85570
.899	.800	.85100
.899	.900	.85090
.899	1.000	.85040
.899	1.750	.83240
.899	2.500	.80840
.899	3.250	.79600
.899	6.000	.71940
.899	8.000	.66810
.899	10.000	.60940
.899	12.000	.59200
.899	14.000	.58880
.899	16.000	.58820
	GRADIENT	-.02825

RUN NO. 37/ 0 RN/L = 3.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.206	.100	.77650
1.206	.200	.73280
1.206	.300	.72360
1.206	.400	.71070
1.206	.500	.69750
1.206	.600	.69980
1.206	.700	.67690
1.206	.800	.66800
1.206	.900	.67630
1.206	1.000	.65920
1.206	1.750	.64310
1.206	2.500	.61280
1.206	3.250	.58440
1.206	6.000	.48520
1.206	8.000	.43910
1.206	10.000	.42190
1.206	12.000	.42120
1.206	14.000	.42020
1.206	16.000	.42050
	GRADIENT	-.04984

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(REX005) (21 JAN 77)

PARAMETRIC DATA

PT - 12.280 BLPOS - 2.000

TABULATED SOURCE DATA - OSB

AVES 11-97-010 OSBA,B PA3 + BRA + B02

RUN NO. 38/ 0 RHWL = 3.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.269	.100	.77510
1.269	.200	.72690
1.269	.300	.71170
1.269	.400	.70480
1.269	.500	.70600
1.269	.600	.68970
1.269	.700	.68140
1.269	.800	.68220
1.269	.900	.67710
1.269	1.000	.67770
1.269	1.750	.64020
1.269	2.500	.61090
1.269	3.250	.57140
1.269	6.000	.45540
1.269	8.000	.40820
1.269	10.000	.39180
1.269	12.000	.39250
1.269	14.000	.39250
1.269	16.000	.39250
1.269	GRADIENT	-.05179

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TABULATED SOURCE DATA - OSB

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AVES 11-97-010 058A,B SF1 + PA3 + BRB

(REX011) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = .000

RUN NO. 213/ 0 RM/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.942	.100	1.20100
.942	.200	1.21500
.942	.300	1.21600
.942	.400	1.21700
.942	.500	1.21800
.942	.600	1.21400
.942	.700	1.21700
.942	.800	1.20500
.942	.900	1.21500
.942	1.000	1.21200
.942	1.750	1.21500
.942	2.500	1.21800
.942	3.250	1.21800
.942	6.000	1.21800
.942	8.000	1.21800
.942	10.000	1.21400
.942	12.000	1.21200
.942	14.000	1.21600
.942	16.000	1.21700
	GRADIENT	.00207

RUN NO. 214/ 0 RM/L = 3.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.981	.100	1.55300
.981	.200	1.62100
.981	.300	1.63700
.981	.400	1.62700
.981	.500	1.63500
.981	.600	1.62900
.981	.700	1.63200
.981	.800	1.62900
.981	.900	1.62200
.981	1.000	1.63700
.981	1.750	1.63500
.981	2.500	1.62500
.981	3.250	1.61700
.981	6.000	1.62600
.981	8.000	1.62500
.981	10.000	1.62400
.981	12.000	1.62500
.981	14.000	1.62600
.981	16.000	1.61400
	GRADIENT	.00361

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TABULATED SOURCE DATA - OSB

AMES 11-97-010 058A,B SFI + PA3 + BRB

(REX011) (21 JAN 77)

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PARAMETRIC DATA

RUN NO. 216/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = .000

MACH	Z	PS/PT
1.020	.100	1.82980
1.020	.200	2.21000
1.020	.300	2.24300
1.020	.400	2.22600
1.020	.500	2.23300
1.020	.600	2.20300
1.020	.700	2.21400
1.020	.800	2.20500
1.020	.900	2.19400
1.020	1.000	2.20300
1.020	1.750	2.19100
1.020	2.500	2.18400
1.020	3.250	2.25000
1.020	6.000	2.20300
1.020	8.000	2.22900
1.020	10.000	2.23100
1.020	12.000	2.20000
1.020	14.000	2.20500
1.020	16.000	2.21700
GRADIENT		.03167

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TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A,B SF1 + PA3 + BR8

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(REX012) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 215/ 0 RVAL = 3.60 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = .000

MACH	Z	PS/PT
.980	.100	1.53100
.980	.200	1.63900
.980	.300	1.63800
.980	.400	1.64200
.980	.500	1.63200
.980	.600	1.63400
.980	.700	1.63500
.980	.800	1.62300
.980	.900	1.61600
.980	1.000	1.63300
.980	1.750	1.64100
.980	2.500	1.63700
.980	3.250	1.63200
.980	6.000	1.62700
.980	8.000	1.63300
.980	10.000	1.62100
.980	12.000	1.63800
.980	14.000	
.980	16.000	
	GRADIENT	.00947

1850 - VIET CONOS DELV70BY1
TABULATED SOURCE DATA - OSB

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AMES 11-97-010 058A.B SF1 + PA3 + BRA

(REX015) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 135/ 0 R/V/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.702	.100	.72770
.702	.200	.69350
.702	.300	.67840
.702	.400	.66630
.702	.500	.66340
.702	.600	.65500
.702	.700	.65350
.702	.800	.65190
.702	.900	.64270
.702	1.000	.64550
.702	1.750	.61760
.702	2.500	.59480
.702	3.250	.58000
.702	6.000	.54070
.702	8.000	.53680
.702	10.000	.53710
.702	12.000	.53700
.702	14.000	.53690
.702	16.000	.53690
	GRADIENT	-.03808

RUN NO. 138/ 0 RM/L = 3.25 GRADIENT INTERVAL = -5.08/ 5.00

MACH	Z	PS/PT
.751	.100	.71000
.751	.200	.66780
.751	.300	.64560
.751	.400	.64510
.751	.500	.63310
.751	.600	.62450
.751	.700	.61850
.751	.800	.61250
.751	.900	.60910
.751	1.000	.61050
.751	1.750	.59180
.751	2.500	.55990
.751	3.250	.53810
.751	6.000	.48600
.751	8.000	.47850
.751	10.000	.47630
.751	12.000	.47600
.751	14.000	.47600
.751	16.000	.47630
.751	GRADIENT	-.04225

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TABULATED SOURCE DATA - 058

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APES 11-97-010 058A.B SFI + PA3 + BRA

(REX0151) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 141/ 0 RN/L = 3.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.799	.100	.72660
.799	.200	.67630
.799	.300	.63560
.799	.400	.60480
.799	.500	.58250
.799	.600	.56250
.799	.700	.54510
.799	.800	.52980
.799	.900	.51670
.799	1.000	.50740
.799	1.750	.56380
.799	2.500	.51340
.799	3.250	.46220
.799	4.000	.44590
.799	5.000	.44330
.799	6.000	.44330
.799	7.000	.44320
.799	8.000	.44320
.799	9.000	.44320
.799	10.000	.44320
.799	11.000	.44320
.799	12.000	.44320
.799	13.000	.44320
.799	14.000	.44320
.799	15.000	.44320
.799	16.000	.44320
.799	GRADIENT	-.04529

RUN NO. 144/ 0 RN/L = 3.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.820	.100	.73230
.820	.200	.68540
.820	.300	.65800
.820	.400	.63340
.820	.500	.61040
.820	.600	.58830
.820	.700	.56910
.820	.800	.55200
.820	.900	.53730
.820	1.000	.52410
.820	1.750	.59650
.820	2.500	.56250
.820	3.250	.53400
.820	4.000	.50980
.820	5.000	.48980
.820	6.000	.47310
.820	7.000	.45860
.820	8.000	.44590
.820	9.000	.43590
.820	10.000	.42820
.820	11.000	.42260
.820	12.000	.41890
.820	13.000	.41620
.820	14.000	.41450
.820	15.000	.41380
.820	16.000	.41380
.820	GRADIENT	-.04902

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TABULATED SOURCE DATA - OS8

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AVES 11-97-010 OS8A.8 SF1 + PA3 + BRA

(REX015) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 147/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.840	.100	.78110
.840	.200	.70008
.840	.300	.67910
.840	.400	.68830
.840	.500	.68180
.840	.600	.66770
.840	.700	.66040
.840	.800	.65360
.840	.900	.65380
.840	1.000	.65430
.840	1.750	.60760
.840	2.500	.57350
.840	3.250	.53570
.840	6.000	.45320
.840	8.000	.43740
.840	10.000	.42990
.840	12.000	.42930
.840	14.000	.42920
.840	16.000	.42960
	GRADIENT	-.05727

RUN NO. 150/ 0 RN/L = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.860	.100	.77070
.860	.200	.71400
.860	.300	.70300
.860	.400	.67880
.860	.500	.68150
.860	.600	.69550
.860	.788	.66890
.860	.880	.67950
.860	.900	.66110
.860	1.000	.65000
.860	1.750	.62350
.860	2.500	.57800
.860	3.250	.53720
.860	6.000	.45000
.860	8.000	.43030
.860	10.000	.42630
.860	12.000	.42580
.860	14.000	.42510
.860	16.000	.42530
	GRADIENT	-.05991

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TABULATED SOURCE DATA - OSB

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AMES 11-97-010 OSBA.8 SF1 + PA3 + BRA

(REX015) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 153/ 0 RV/L = 3.47 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.200 BLPOS = 2.000

MACH	Z	PS/PT
.880	.100	.74240
.880	.200	.69720
.880	.300	.67160
.880	.400	.65700
.880	.500	.64540
.880	.600	.64080
.880	.700	.63420
.880	.800	.61610
.880	.900	.62220
.880	1.000	.68660
.880	1.750	.57740
.880	2.500	.52750
.880	3.250	.46570
.880	6.000	.39750
.880	8.000	.37490
.880	10.000	.37300
.880	12.000	.37200
.880	14.000	.37220
.880	16.000	.37160
	GRADIENT	-.06786

RUN NO. 156/ 0 RV/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.901	.100	.69240
.901	.200	.57650
.901	.300	.54420
.901	.400	.54140
.901	.500	.55230
.901	.600	.50188
.901	.700	.51560
.901	.800	.54400
.901	.900	.52550
.901	1.000	.46550
.901	1.750	.39470
.901	2.500	.37420
.901	3.250	.38010
.901	6.000	.29740
.901	8.000	.28790
.901	10.000	.28340
.901	12.000	.28560
.901	14.000	.28670
.901	16.000	.28510
	GRADIENT	-.08116

DATE 21 JAN 77

TABLATED SOURCE DATA - OSB

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(REX015) (21 JAN 77)

AMES 11-57-010 OSBA.B SF1 + PA3 + BRA

PARAMETRIC DATA

PT - 12.280 BLPOS - 2.000

RUN NO. 159/ 0 RV/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.920	.100	.62110
.920	.200	.54910
.920	.300	.51450
.920	.400	.51550
.920	.500	.50080
.920	.600	.49320
.920	.700	.47050
.920	.800	.45910
.920	.900	.45010
.920	1.000	.44430
.920	1.750	.38900
.920	2.500	.36160
.920	3.250	.34490
.920	6.000	.34060
.920	8.000	.34330
.920	10.000	.34680
.920	12.000	.34780
.920	14.000	.34590
.920	16.000	.34650
	GRADIENT	-.07266

RUN NO. 162/ 0 RV/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.938	.100	.63340
.938	.200	.56190
.938	.300	.53130
.938	.400	.51090
.938	.500	.49420
.938	.600	.48760
.938	.700	.47270
.938	.800	.46340
.938	.900	.45270
.938	1.000	.44140
.938	1.750	.38530
.938	2.500	.35280
.938	3.250	.34780
.938	6.000	.34730
.938	8.000	.34880
.938	10.000	.35010
.938	12.000	.36810
.938	14.000	.36720
.938	16.000	.36660
	GRADIENT	-.07638

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TABULATED SOURCE DATA - 058

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APES 11-97-010 058A.B SF1 + PA3 + BRA

(REX015) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 165/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.954	.100	.64250
.954	.200	.56620
.954	.300	.53030
.954	.400	.51960
.954	.500	.50090
.954	.600	.48630
.954	.700	.47730
.954	.800	.46670
.954	.900	.45010
.954	1.000	.44390
.954	1.750	.37980
.954	2.500	.35230
.954	3.250	.34830
.954	6.000	.34880
.954	8.000	.35380
.954	10.000	.35540
.954	12.000	.35400
.954	14.000	.35960
.954	16.000	.37240
GRADIENT		-.07867

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TABULATED SOURCE DATA - OSB

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AVES 11-97-010 OSBA,B SF1 + PA3 + BRA

(REX016) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 136/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.782	.100	.71960
.702	.200	.68338
.702	.300	.66320
.702	.400	.65880
.702	.500	.64340
.702	.600	.63920
.702	.700	.63970
.702	.800	.63230
.702	.900	.62730
.702	1.000	.62540
.702	1.750	.60610
.702	2.500	.57930
.702	3.250	.55990
.702	6.000	.52380
.702	8.000	.51980
.702	10.000	.51980
.702	12.000	.51990
.702	14.000	.51950
.702	16.000	.52020
	GRADIENT	-.04004

RUN NO. 139/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.752	.100	.73810
.752	.200	.69990
.752	.300	.67950
.752	.400	.67280
.752	.500	.66830
.752	.600	.65590
.752	.700	.65790
.752	.800	.65640
.752	.900	.65200
.752	1.000	.63880
.752	1.750	.62630
.752	2.500	.60370
.752	3.250	.58300
.752	6.000	.53230
.752	8.000	.51860
.752	10.000	.51700
.752	12.000	.51730
.752	14.000	.51730
.752	16.000	.51730
	GRADIENT	-.03794

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TABULATED SOURCE DATA - 058

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AVES 11-57-010 OSBA,B SF1 + PA3 + BRA

(REX018) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 142/ 0 RV/L = 3.36 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 2.000

MACH	Z	PS/PT
.799	.100	.73040
.799	.200	.68920
.799	.300	.68310
.799	.400	.64950
.799	.500	.64810
.799	.600	.64220
.799	.700	.64550
.799	.800	.63870
.799	.900	.62200
.799	1.000	.62350
.799	1.750	.60770
.799	2.500	.57320
.799	3.250	.55700
.799	6.000	.47300
.799	8.000	.45530
.799	10.000	.45190
.799	12.000	.45170
.799	14.000	.45170
.799	16.000	.45160
	GRADIENT	-.04404

RUN NO. 145/ 0 RV/L = 3.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.819	.100	.75190
.819	.200	.70400
.819	.300	.67430
.819	.400	.68110
.819	.500	.66610
.819	.600	.65420
.819	.700	.65110
.819	.800	.65010
.819	.900	.64830
.819	1.000	.64400
.819	1.750	.61610
.819	2.500	.58380
.819	3.250	.56810
.819	6.000	.47800
.819	8.000	.45660
.819	10.000	.45350
.819	12.000	.45330
.819	14.000	.45330
.819	16.000	.45350
	GRADIENT	-.04592

DATE 21 JAN 77

PAGE 23
(REX016) (21 JAN 77)

TABULATED SOURCE DATA - 058
AMES 11-97-010 058A,B SF1 + PA3 + BRA

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 148/ 0 RN/L = 3.42

MACH	Z	PS/PT
.843	.100	.74270
.843	.200	.68730
.843	.300	.65830
.843	.400	.65020
.843	.500	.63850
.843	.600	.64110
.843	.700	.63290
.843	.800	.63230
.843	.900	.62280
.843	1.000	.60420
.843	1.750	.59020
.843	2.500	.54620
.843	3.250	.52330
.843	6.000	.42780
.843	8.000	.40980
.843	10.000	.40750
.843	12.000	.40740
.843	14.000	.40690
.843	16.000	.40680
	GRADIENT	-.05446

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 151/ 0 RN/L = 3.44

MACH	Z	PS/PT
.859	.100	.75750
.859	.200	.71690
.859	.300	.68960
.859	.400	.69110
.859	.500	.67570
.859	.600	.67210
.859	.700	.66170
.859	.800	.65320
.859	.900	.64440
.859	1.000	.64190
.859	1.750	.59970
.859	2.500	.57720
.859	3.250	.53700
.859	6.000	.44550
.859	8.000	.42560
.859	10.000	.42010
.859	12.000	.41930
.859	14.000	.41980
.859	16.000	.41880
	GRADIENT	-.05884

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TABLATED SOURCE DATA - 058

AMES 11-97-010 058A.D SF1 + PA3 + BRA

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(REX018) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 154/ 0 RN/L = 3.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.880	.100	.79210
.880	.200	.73470
.880	.300	.71830
.880	.400	.72030
.880	.500	.69520
.880	.600	.69380
.880	.700	.68750
.880	.800	.67640
.880	.900	.67480
.880	1.000	.66410
.880	1.750	.61850
.880	2.580	.58290
.880	3.258	.55500
.880	6.000	.45210
.880	8.000	.43180
.880	10.000	.42820
.880	12.000	.42710
.880	14.000	.42730
.880	16.000	.42698
	GRADIENT	-.06366

RUN NO. 157/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.901	.100	.69570
.901	.200	.63998
.901	.300	.58450
.901	.400	.58588
.901	.500	.56770
.901	.600	.56950
.901	.700	.54640
.901	.800	.53600
.901	.900	.56790
.901	1.000	.58190
.901	1.750	.47310
.901	2.500	.42450
.901	3.250	.41090
.901	6.000	.33210
.901	8.000	.32500
.901	10.000	.32098
.901	12.000	.31950
.901	14.000	.31910
.901	16.000	.32020
	GRADIENT	-.07666

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DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-Q10 OS8A.B SF1 + PA3 + BRA

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(REX016) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 160/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.920	.100	.34390
.920	.200	.27160
.920	.300	.25890
.920	.400	.23998
.920	.500	.22990
.920	.600	.23280
.920	.700	.22250
.920	.800	.20970
.920	.900	.20400
.920	1.000	.21850
.920	1.750	.16040
.920	2.500	.14790
.920	3.250	.14210
.920	6.000	.13370
.920	8.080	.13570
.920	10.000	.13550
.920	12.000	.13670
.920	14.000	.13360
.920	16.000	.13510
.920	GRADIENT	-.04916

RUN NO. 163/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.939	.100	.65870
.939	.200	.56010
.939	.300	.56510
.939	.400	.54920
.939	.500	.53660
.939	.600	.51780
.939	.700	.51300
.939	.800	.50300
.939	.900	.48820
.939	1.000	.47990
.939	1.750	.42470
.939	2.500	.39510
.939	3.250	.38780
.939	6.000	.38700
.939	8.000	.38990
.939	10.000	.39030
.939	12.000	.40930
.939	14.000	.40650
.939	16.000	.40650
.939	GRADIENT	-.07319

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TABLATED SOURCE DATA - OSB

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AMES 11-97-010 058A,B SF1 + PA3 + BRA

(REX016) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 186/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.955	.100	.62760
.955	.200	.55780
.955	.300	.52760
.955	.400	.51310
.955	.500	.48710
.955	.600	.49070
.955	.700	.47370
.955	.800	.45810
.955	.900	.44330
.955	1.000	.44140
.955	1.750	.36860
.955	2.500	.34490
.955	3.250	.34110
.955	6.000	.34140
.955	8.000	.34530
.955	10.000	.34750
.955	12.000	.34600
.955	14.000	.34900
.955	16.000	.35510
.955	GRADIENT	-.07878

AVES 11-97-010 058A.B SF1 + PA3 + BRA

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 137/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.702	.100	.74580
.702	.200	.70520
.702	.300	.70050
.702	.400	.68800
.702	.500	.67660
.702	.600	.67330
.702	.700	.66500
.702	.800	.65440
.702	.900	.64110
.702	1.000	.62600
.702	1.750	.63350
.702	2.500	.61680
.702	3.250	.59130
.702	6.000	.55710
.702	8.000	.55310
.702	10.000	.55320
.702	12.000	.55330
.702	14.000	.55300
.702	16.000	.55310
.702	GRADIENT	-.03842

RUN NO. 140/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.751	.100	.73740
.751	.200	.70090
.751	.300	.68200
.751	.400	.67340
.751	.500	.66290
.751	.600	.65620
.751	.700	.65300
.751	.800	.65610
.751	.900	.65070
.751	1.000	.63800
.751	1.750	.61890
.751	2.500	.60590
.751	3.250	.58320
.751	6.000	.52730
.751	8.000	.51800
.751	10.000	.51690
.751	12.000	.51660
.751	14.000	.51640
.751	16.000	.51660
.751	GRADIENT	-.03830

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TABULATED SOURCE DATA - 058

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AVES 11-97-010 058A.8 SF1 + PA3 + BRA

(REX017) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLP05 = 2.000

RUN NO. 143/ 0 RN/L = 3.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.802	.100	.73080
.802	.200	.68290
.802	.300	.66360
.802	.400	.66190
.802	.500	.63880
.802	.600	.63230
.802	.700	.63668
.802	.800	.63320
.802	.900	.62590
.802	1.000	.61920
.802	1.750	.59110
.802	2.500	.56810
.802	3.250	.54400
.802	6.000	.47050
.802	8.000	.45600
.802	10.000	.45320
.802	12.000	.45320
.802	14.000	.45320
.802	16.000	.45320
.802	GRADIENT	-.04650

RUN NO. 146/ 0 RN/L = 3.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.817	.100	.74410
.817	.200	.68450
.817	.300	.66580
.817	.400	.65610
.817	.500	.65240
.817	.600	.63860
.817	.700	.64740
.817	.800	.64110
.817	.900	.63810
.817	1.000	.62330
.817	1.750	.59868
.817	2.500	.58210
.817	3.250	.53240
.817	6.000	.46890
.817	8.000	.44130
.817	10.000	.43740
.817	12.000	.43740
.817	14.000	.43750
.817	16.000	.43758
.817	GRADIENT	-.04901

DATE 21 JAN 77

TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A.8 SF1 + PA3 + BRA

(REX017) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 149/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.839	.100	.73930
.839	.200	.69110
.839	.300	.66410
.839	.400	.66030
.839	.500	.64690
.839	.600	.62760
.839	.700	.63390
.839	.800	.61680
.839	.900	.63060
.839	1.000	.61320
.839	1.750	.58870
.839	2.500	.53780
.839	3.250	.51370
.839	6.000	.42580
.839	8.000	.40590
.839	10.000	.40198
.839	12.000	.40110
.839	14.000	.40110
.839	16.000	.40130
	GRADIENT	-.05840

RUN NO. 152/ 0 RN/L = 3.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.859	.100	.73110
.859	.200	.69100
.859	.300	.66520
.859	.400	.66090
.859	.500	.64320
.859	.600	.67010
.859	.700	.63630
.859	.800	.62250
.859	.900	.62680
.859	1.000	.62880
.859	1.750	.58280
.859	2.500	.54240
.859	3.250	.52250
.859	6.000	.42350
.859	8.000	.40000
.859	10.000	.39670
.859	12.000	.39550
.859	14.000	.39590
.859	16.000	.39520
	GRADIENT	-.05728

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TABULATED SOURCE DATA - OSB

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AVES 11-97-010 OSBA.B SF1 + PA3 + BRA

(REX017) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 155/ 0 RN/L = 3.46 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 2.000

MACH	Z	PS/PT
.880	.100	.74570
.880	.200	.67870
.880	.300	.66360
.880	.400	.63760
.880	.500	.65440
.880	.600	.65260
.880	.700	.64140
.880	.800	.62820
.880	.900	.60280
.880	1.000	.61240
.880	1.750	.58430
.880	2.500	.52958
.880	3.250	.48170
.880	6.000	.39820
.880	8.000	.37220
.880	10.000	.36910
.880	12.000	.36850
.880	14.000	.36800
.880	16.000	.36790
.880	GRADIENT	-.05634

RUN NO. 158/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.900	.100	.75770
.900	.200	.66730
.900	.300	.61450
.900	.400	.66220
.900	.500	.61330
.900	.600	.57270
.900	.700	.57460
.900	.800	.57270
.900	.900	.57790
.900	1.000	.57030
.900	1.750	.53010
.900	2.500	.48760
.900	3.250	.45920
.900	6.000	.36370
.900	8.000	.35470
.900	10.000	.35398
.900	12.000	.35090
.900	14.000	.35180
.900	16.000	.35430
.900	GRADIENT	-.07100

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TABLATED SOURCE DATA - 058

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(REX017) (21 JAN 77)

AVES 11-97-010 058A.8 SF1 + PA3 + BRA

PARAMETRIC DATA

PT - 12.280 BLPOS - 2.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 161/ 0 RN/L = 3.50

MACH	Z	PS/PT
.518	.100	.66460
.918	.200	.60240
.918	.300	.56060
.918	.400	.55720
.918	.500	.53240
.918	.600	.51480
.918	.708	.52020
.918	.800	.50030
.918	.900	.50120
.918	1.000	.48840
.918	1.750	.43710
.918	2.500	.39710
.918	3.250	.37870
.918	6.000	.37050
.918	8.000	.37460
.918	10.000	.37410
.918	12.000	.37840
.918	14.000	.37510
.918	16.000	.37760
.918	GRADIENT	-.07549

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 124/ 0 RN/L = 3.52

MACH	Z	PS/PT
.939	.100	.66060
.939	.200	.59680
.939	.300	.56410
.939	.400	.56270
.939	.500	.53670
.939	.600	.52950
.939	.700	.51440
.939	.800	.50380
.939	.900	.49270
.939	1.000	.49160
.939	1.750	.43690
.939	2.500	.40300
.939	3.250	.39550
.939	6.000	.39320
.939	8.000	.39540
.939	10.000	.39920
.939	12.000	.41440
.939	14.000	.41980
.939	16.000	.41240
.939	GRADIENT	-.07154

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DATE 21 JAN 77

TABULATED SOURCE DATA - 059

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AKES 11-97-010 058A,B SFI + PA3 + BRA

(REX017) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 2.000

RUN NO. 167/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.956	.100	.69450
.956	.200	.56380
.956	.300	.53080
.956	.400	.51300
.956	.500	.50300
.956	.600	.48350
.956	.700	.47240
.956	.800	.46450
.956	.900	.44800
.956	1.000	.43780
.956	1.750	.37490
.956	2.500	.34680
.956	3.250	.34250
.956	6.000	.34330
.956	8.000	.34610
.956	10.000	.34900
.956	12.000	.34870
.956	14.000	.34770
.956	16.000	.36730
.956	GRADIENT	-.08380

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

(REX018) (21 JAN 77)

APES 11-97-010 058A.8 SF1 + PA3 + BRE

PARAMETRIC DATA

PT - 12.289 BLPOS - 1.000

RUN NO. 188/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.701	.100	1.00600
.701	.200	.99940
.701	.300	.99260
.701	.400	.97360
.701	.500	.94670
.701	.600	.92680
.701	.700	.84950
.701	.800	.86090
.701	.900	.85230
.701	1.000	.79320
.701	1.750	.58790
.701	2.500	.53390
.701	3.250	.52270
.701	6.000	.51950
.701	8.000	.51960
.701	10.000	.51950
.701	12.000	.51970
.701	14.000	.51960
.701	16.000	.51960
.701	GRADIENT	-.17924

RUN NO. 191/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.752	.100	1.20000
.752	.200	1.19700
.752	.300	1.21600
.752	.400	1.17900
.752	.500	1.19500
.752	.600	1.16500
.752	.700	1.15600
.752	.800	1.11400
.752	.900	1.05600
.752	1.000	1.02300
.752	1.750	.62730
.752	2.500	.47540
.752	3.250	.44810
.752	6.000	.43900
.752	8.000	.43920
.752	10.000	.43900
.752	12.000	.43920
.752	14.000	.43950
.752	16.000	.43920
.752	GRADIENT	-.29306

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TABULATED SOURCE DATA - 058

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AMES 11-97-010 OS8A.8 SF1 + PA3 + 88F

(REX018) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 1.000

RUN NO. 194/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.801	.100	1.56700
.801	.200	1.63500
.801	.300	1.62700
.801	.400	1.62400
.801	.500	1.65600
.801	.600	1.58500
.801	.700	1.57600
.801	.800	1.54200
.801	.900	1.44300
.801	1.000	1.34200
.801	1.750	.75060
.801	2.500	.40880
.801	3.250	.37770
.801	6.000	.37190
.801	8.000	.37040
.801	10.000	.36990
.801	12.000	.37000
.801	14.000	.37020
.801	16.000	.37000
	GRADIENT	-.48421

RUN NO. 197/ 0 RN/L = 3.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.843	.100	3.69700
.843	.200	5.53500
.843	.300	6.07700
.843	.400	5.43100
.843	.500	5.81300
.843	.600	5.08100
.843	.700	4.57300
.843	.800	3.96700
.843	.900	3.53900
.843	1.000	3.01600
.843	1.750	.76310
.843	2.500	.34610
.843	3.250	.29770
.843	6.000	.29250
.843	8.000	.29220
.843	10.000	.29130
.843	12.000	.29060
.843	14.000	.29030
.843	16.000	.29010
	GRADIENT	-1.95474

DATE 21 JAN 77

TABLATED SOURCE DATA - OS8

PAGE 35

AMES 11-97-010 OS8A.8 SF1 + PA3 + BRF

(REX018) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 200/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00
PT = 12.280 BLPOS = 1.000

MACH	Z	PS/PT
.882	.100	1.86700
.882	.200	2.90400
.882	.300	2.35000
.882	.400	2.63900
.882	.500	2.74900
.882	.600	1.92300
.882	.700	2.10400
.882	.800	2.30700
.882	.900	1.43200
.882	1.000	1.54700
.882	1.750	.54450
.882	2.500	.35110
.882	3.250	.32450
.882	6.000	.30990
.882	8.000	.30880
.882	10.000	.31000
.882	12.000	.30810
.882	14.000	.30700
.882	16.000	.30680
.882	GRADIENT	-.83415

RUN NO. 203/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.921	.100	2.03100
.921	.200	1.26000
.921	.300	6.84400
.921	.400	.40030
.921	.500	.48260
.921	.600	.28390
.921	.700	.28260
.921	.800	.27690
.921	.900	.27390
.921	1.000	.27400
.921	1.750	.27690
.921	2.500	.28710
.921	3.250	.28440
.921	6.000	.3.000
.921	8.000	.28990
.921	10.000	.27920
.921	12.000	.27140
.921	14.000	.26680
.921	16.000	.26380
.921	GRADIENT	-.66220

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DATE 21 JAN 77

TABULATED SOURCE DATA - USB

(REX018) (21 JAN 77)

AVES 11-97-010 058A,B SF1 + PA3 + BRP

PARAMETRIC DATA

PT = :2.280 BLPOS = 1.000

RUN NO. 208/ 0 RNV/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.961	.100	-2.68600
.961	.200	.71530
.961	.300	-2.08100
.961	.400	.23280
.961	.500	.23930
.961	.600	.22610
.961	.700	.22280
.961	.800	.22240
.961	.900	.22190
.961	1.000	.22110
.961	1.750	.23940
.961	2.500	.24020
.961	3.250	.24070
.961	6.000	.24570
.961	8.000	.23370
.961	10.000	.22360
.961	12.000	.21740
.961	14.000	.21290
.961	16.000	.21020
.961	GRADIENT	.35842

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

(REX019) (21 JAN 77)

AMES 11-97-010 OS8A,B SFI + PA3 + BRG

PARAMETRIC DATA

PT = 12.280

BLPOS = 1.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 188/ 0 RV/L = 3.14

MACH	Z	PS/PT
.702	.100	.99500
.702	.200	.98290
.702	.300	.96640
.702	.400	.95820
.702	.500	.95000
.702	.600	.95730
.702	.700	.91420
.702	.800	.88880
.702	.900	.82220
.702	1.000	.80790
.702	1.750	.58870
.702	2.500	.53380
.702	3.250	.51850
.702	6.000	.51530
.702	8.000	.51520
.702	10.000	.51550
.702	12.000	.51500
.702	14.000	.51530
.702	16.000	.51520
.702	GRADIENT	-.17870

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 192/ 0 RV/L = 3.26

MACH	Z	PS/PT
.751	.100	1.24500
.751	.200	1.24400
.751	.300	1.25300
.751	.400	1.24200
.751	.500	1.22700
.751	.600	1.18300
.751	.700	1.23700
.751	.800	1.17800
.751	.900	1.08400
.751	1.000	1.08400
.751	1.750	.68130
.751	2.500	.45350
.751	3.250	.43720
.751	6.000	.42810
.751	8.000	.42830
.751	10.000	.42830
.751	12.000	.42820
.751	14.000	.42810
.751	16.000	.42820
.751	GRADIENT	-.31374

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DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 39

AVES 11-97-010 058A.8 SF1 + PA3 + BRF

(REX019) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 195/ 0 RV/L = 3.38 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 1.000

MACH	Z	PS/PT
.804	.100	1.45100
.804	.200	1.52900
.804	.300	1.54000
.804	.400	1.51900
.804	.500	1.55100
.804	.600	1.50800
.804	.700	1.43700
.804	.800	1.38300
.804	.900	1.38200
.804	1.000	1.33400
.804	1.750	.76650
.804	2.500	.42240
.804	3.250	.38080
.804	6.000	.37770
.804	8.000	.37610
.804	10.000	.37570
.804	12.000	.37590
.804	14.000	.37580
.804	16.000	.37580
	GRADIENT	-.44036

RUN NO. 198/ 0 RV/L = 3.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.843	.100	1.65900
.843	.200	2.20100
.843	.300	2.17000
.843	.400	2.11900
.843	.500	2.15900
.843	.600	1.88600
.843	.700	1.98200
.843	.800	1.86600
.843	.900	1.84700
.843	1.000	1.50600
.843	1.750	.77470
.843	2.500	.36890
.843	3.250	.32950
.843	6.000	.32440
.843	8.000	.32400
.843	10.000	.32300
.843	12.000	.32250
.843	14.000	.32240
.843	16.000	.32230
	GRADIENT	-.66713

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 39

(REX019) (21 JAN 77)

AMES 11-97-010 OSBA,B SF1 + PA3 + BR6

PARAMETRIC DATA

PT = 12.280 BLPOS = 1.000

RUN NO. 201/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.883	.100	2.41200
.883	.200	3.80680
.883	.300	3.99100
.883	.400	3.52900
.883	.500	3.69500
.883	.600	3.26100
.883	.700	3.06500
.883	.800	2.53500
.883	.900	2.03500
.883	1.000	1.60600
.883	1.750	.57270
.883	2.500	.33680
.883	3.250	.30460
.883	6.000	.29580
.883	8.000	.29520
.883	10.000	.29420
.883	12.000	.29550
.883	14.000	.29300
.883	16.000	.29270
.883	GRADIENT	-1.23902

RUN NO. 204/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.923	.100	2.37000
.923	.200	1.40000
.923	.300	-16.38000
.923	.400	.34120
.923	.500	.43920
.923	.600	.26780
.923	.700	.26220
.923	.800	.26240
.923	.900	.26160
.923	1.000	.26010
.923	1.750	.26210
.923	2.500	.27750
.923	3.250	.27680
.923	6.000	.28880
.923	8.000	.27670
.923	10.000	.26540
.923	12.000	.25750
.923	14.000	.25320
.923	16.000	.25000
.923	GRADIENT	.81677

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DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 43

AMES 11-97-010 OS8A,B SF1 + PA3 + BRP

(REX019) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 209/ 0 RV/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 1.000

MACH	Z	PS/PT
.962	.100	-1.68760
.962	.200	.74830
.962	.300	-1.42800
.962	.400	.22000
.962	.500	.22960
.962	.600	.21700
.962	.700	.21100
.962	.800	.21010
.962	.900	.20920
.962	1.000	.20890
.962	1.750	.22720
.962	2.500	.22600
.962	3.250	.22840
.962	6.000	.23310
.962	8.000	.22210
.962	10.000	.21220
.962	12.000	.20590
.962	14.000	.20150
.962	16.000	.19880
.962	GRADIENT	.23177

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 41

(REX020) (21 JAN 77)

AMES 11-97-810 OSBA,B SFI + PA3 + BRF

PARAMETRIC DATA

PT = 12.280 BLPOS = 1.000

RUN NO. 190/ 0 RN/L = 3.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.702	.100	.96400
.702	.200	.98330
.702	.300	.96260
.702	.400	.92810
.702	.500	.90950
.702	.600	.91090
.702	.700	.87420
.702	.800	.86430
.702	.900	.79690
.702	1.000	.78430
.702	1.750	.60070
.702	2.500	.54180
.702	3.250	.52770
.702	6.000	.52540
.702	8.000	.52530
.702	10.000	.52540
.702	12.000	.52530
.702	14.000	.52530
.702	16.000	.52540
	GRADIENT	-.16488

RUN NO. 193/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.755	.100	1.20200
.755	.200	1.22200
.755	.300	1.19900
.755	.400	1.21800
.755	.500	1.18900
.755	.600	1.16900
.755	.700	1.17500
.755	.800	1.11900
.755	.900	1.07100
.755	1.000	1.07900
.755	1.750	.65720
.755	2.500	.45790
.755	3.250	.43820
.755	6.000	.43140
.755	8.000	.43110
.755	10.000	.43100
.755	12.000	.43130
.755	14.000	.43120
.755	16.000	.43130
	GRADIENT	-.29924

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DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 42

AVES 11-97-010 OSBA,B SF1 + PA3 + BRF

(REX020) (21 JAN 77)

PARAMETRIC DATA

RUN NO. 198/ 0 RN/L = 3.38 GRADIENT INTERVAL = -5.00/ 5.00 PT = 12.280 BLPOS = 1.000

MACH	Z	PS/PT
.801	.100	1.43100
.801	.280	1.52300
.801	.300	1.53400
.801	.400	1.51500
.801	.580	1.54300
.801	.600	1.48500
.801	.700	1.48800
.801	.800	1.41500
.801	.900	1.39000
.801	1.000	1.32000
.801	1.750	.73850
.801	2.580	.42090
.801	3.250	.38170
.801	6.000	.37680
.801	8.000	.37520
.801	10.000	.37540
.801	12.000	.37540
.801	14.000	.37540
.801	16.000	.37530
.801	GRADIENT	-.43630

RUN NO. 199/ 0 RN/L = 3.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.844	.100	1.76700
.844	.200	2.25600
.844	.300	2.29900
.844	.400	2.23700
.844	.500	2.24200
.844	.600	2.18300
.844	.700	2.01900
.844	.800	1.98200
.844	.900	1.82000
.844	1.000	1.75100
.844	1.750	.80230
.844	2.500	.36890
.844	3.250	.33410
.844	6.000	.33010
.844	8.000	.32980
.844	10.000	.32900
.844	12.000	.32840
.844	14.000	.32800
.844	16.000	.32810
.844	GRADIENT	-.71031

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AVES 11-97-010 058A.8 SF1 + PA3 + BRW

(REX020) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 1.000

RUN NO. 202/ 0 RV/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.882	.100	2.18900
.882	.200	3.86200
.882	.300	3.76200
.882	.400	3.68900
.882	.500	3.51900
.882	.600	2.89200
.882	.700	2.88400
.882	.800	2.37000
.882	.900	2.41500
.882	1.000	1.74200
.882	1.750	.59980
.882	2.590	.31840
.882	3.250	.30580
.882	6.000	.29638
.882	8.000	.29530
.882	10.000	.29470
.882	12.000	.29440
.882	14.000	.29450
.882	16.000	.29420
.882	GRADIENT	-1.19235

RUN NO. 205/ 0 RV/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.923	.100	2.14700
.923	.200	1.15300
.923	.300	5.23500
.923	.400	.35010
.923	.500	.47560
.923	.600	.27510
.923	.700	.27050
.923	.800	.27060
.923	.900	.26860
.923	1.000	.26800
.923	1.758	.26950
.923	2.500	.28150
.923	3.250	.28300
.923	6.000	.29850
.923	8.000	.28460
.923	10.000	.27340
.923	12.000	.26500
.923	14.000	.26120
.923	16.000	.25830
.923	GRADIENT	-.55740

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DATE 21 JAN 77

TABULATED SOURCE DATA - 058

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AVES 11-97-010 058A,B SF1 + PA3 + BR5

(REX020) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280 BLPOS = 1.000

RUN NO. 210/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
.961	.100	-8.38860
.961	.200	.67520
.961	.300	-5.33600
.961	.400	.24020
.961	.500	.25060
.961	.600	.23470
.961	.700	.23060
.961	.800	.22990
.961	.900	.23030
.961	1.000	.22830
.961	1.750	.24630
.961	2.500	.24710
.961	3.250	.24780
.961	6.000	.25290
.961	8.000	.24170
.961	10.000	.23170
.961	12.000	.22530
.961	14.000	.22100
.961	16.000	.21830
	GRADIENT	1.05880

DATE 21 JAN 77

TABULATED SOURCE DATA - OSR

PAGE 45

(REX021) (21 JAN 77)

AMES 11-97-010 038A.8 SF1 + PA3 + BRP

PARAMETRIC DATA

PT - 12.280 BLPOS - 1.000

RUN NO. 206/ 0 RN/L - 3.55 GRADIENT INTERVAL - -5.00/ 5.00

MACH	Z	PS/PT
.923	.100	1.95500
.923	.200	1.26200
.923	.300	7.05100
.923	.400	.36670
.923	.500	.46360
.923	.600	.28580
.923	.700	.27430
.923	.800	.27530
.923	.900	.27320
.923	1.000	.27310
.923	1.750	.27310
.923	2.500	.28300
.923	3.250	.28320
.923	6.000	.30200
.923	8.000	.28870
.923	10.000	.27750
.923	12.000	.26990
.923	14.000	.26540
.923	16.000	.26210
.923	GRADIENT	-.66856

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 04

AMES 11-97-010 OSBA,B SF2 + PA3 + BR

(REX027) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 1.000

RUN NO. 344/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.600	.100	.55670
1.600	.200	.55240
1.600	.300	.51070
1.600	.400	.46850
1.600	.500	.44570
1.600	.600	.43360
1.600	.700	.41630
1.600	.800	.40180
1.600	.900	.40210
1.600	1.000	.38400
1.600	1.750	.34910
1.600	2.500	.32680
1.600	3.250	.30600
1.600	4.000	.29050
1.600	6.000	.28080
1.600	8.000	.27680
1.600	10.000	.27740
1.600	12.000	.27760
1.600	14.000	.27800
1.600	16.000	.27790
1.600	GRADIENT	-.06098

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 OSBA.8 SF2 + PA3 + BNF

PAGE 47

(REX027) (30 SEP 77)

PARAMETRIC DATA

PT = 10.110 SF2 = .009
BLPOS = 1.000

RUN NO. 347/ 0 RV/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.700	.100	.54650
1.700	.200	.52670
1.700	.300	.49780
1.700	.400	.44630
1.700	.500	.42690
1.700	.600	.41570
1.700	.700	.39500
1.700	.800	.38920
1.700	.900	.37200
1.700	1.000	.36970
1.700	1.750	.33720
1.700	2.500	.30680
1.700	3.250	.28660
1.700	4.000	.27440
1.700	6.000	.26070
1.700	8.000	.25720
1.700	10.000	.25690
1.700	12.000	.25710
1.700	14.000	.25630
1.700	16.000	.25680
1.700	GRADIENT	-.06077

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 21 JAN 77

TABLED SOURCE DATA - 058

AVES 11-97-010 058A.8 SF2 + PA3 + BRE

PAGE 48

(REX028) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
BLPOS = 1.000

RUN NO. 345/ 0 RN/L = 2.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.600	.100	.93620
1.600	.200	.90850
1.600	.300	.90750
1.600	.400	.89510
1.600	.500	.87930
1.600	.600	.87300
1.600	.700	.86510
1.600	.800	.86090
1.600	.900	.85530
1.600	1.000	.87360
1.600	1.750	.84980
1.600	2.500	.83930
1.600	3.250	.84110
1.600	4.000	.83660
1.600	6.000	.80610
1.600	8.000	.79160
1.600	10.000	.77990
1.600	12.000	.77590
1.600	14.000	.77590
1.600	16.000	.77650
1.600	GRADIENT	-.01903

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

APES 11-97-010 OSQA.8 SF2 + PA3 + BRP

PAGE 48

(REX028) (20 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 65.003
BLPOS = 1.000

RUN NO. 346/ 0 RM/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.700	.100	.92310
1.700	.200	.89320
1.700	.300	.87730
1.700	.400	.86220
1.700	.500	.85150
1.700	.600	.85020
1.700	.700	.83880
1.700	.800	.84170
1.700	.900	.83920
1.700	1.000	.83350
1.700	1.750	.81330
1.700	2.500	.80850
1.700	3.250	.80310
1.700	4.000	.78570
1.700	6.000	.77730
1.700	8.000	.75190
1.700	10.000	.73960
1.700	12.000	.73740
1.700	14.000	.73790
1.700	16.000	.73900
1.700	GRADIENT	-.02583

ORIGINAL PAGE IS
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DATE 21 JAN 77

TABULATED SOURCE DATA - Q58

PAGE 50

AVES 11-97-010 059A.8 SF2 + PA3 + BRA

(REX029) (30 SEP 77)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 382/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	.61540
1.599	.200	.56560
1.599	.300	.54490
1.599	.400	.50400
1.599	.500	.48290
1.599	.600	.47610
1.599	.700	.45470
1.599	.800	.43990
1.599	.900	.43700
1.599	1.000	.42510
1.599	1.750	.38160
1.599	2.500	.35260
1.599	3.250	.32660
1.599	4.000	.30910
1.599	6.000	.29200
1.599	8.000	.29060
1.599	10.000	.28930
1.599	12.000	.28840
1.599	14.000	.28910
1.599	16.000	.28890
1.599	GRADIENT	-.06641

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

PAGE 5:

(REX029) (30 SEP 77)

PARAMETRIC DATA

PT = 10.110 SF2 = .030
BLPOS = 2.000

RUN NO. 391/ 0 RVL = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.700	.100	.59960
1.700	.200	.59580
1.700	.300	.51280
1.700	.400	.47740
1.700	.500	.46190
1.700	.600	.45720
1.700	.700	.44160
1.700	.800	.42488
1.700	.900	.42300
1.700	1.000	.40910
1.700	1.750	.36070
1.700	2.500	.32290
1.700	3.250	.31220
1.700	4.000	.29250
1.700	5.000	.27290
1.700	6.000	.27060
1.700	8.000	.27050
1.700	10.000	.26900
1.700	12.000	.27030
1.700	14.000	.26950
1.700	15.000	-.06630

GRADIENT

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 21 JAN 77

TABULATED SOURCE DATA - 050

PAGE 52

AMES 11-97-010 058A.8 SF2 + PA3 + BRA

(REX0291 (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 392/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.800	.100	.58510
1.800	.200	.52570
1.800	.300	.49520
1.800	.400	.46948
1.800	.500	.44500
1.800	.600	.43830
1.800	.700	.41310
1.800	.800	.40130
1.900	.900	.38940
1.670	1.000	.38570
1.800	1.750	.34280
1.800	2.500	.31010
1.800	3.250	.28960
1.800	4.000	.27370
1.800	6.000	.25200
1.800	8.000	.25020
1.800	10.000	.24980
1.800	12.000	.25040
1.800	14.000	.25070
1.800	16.000	.25060
	GRADIENT	-.06592

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

AVES 11-97-010 OS8A.B SF2 + PA3 + BRA

PAGE 53

(REX029) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 395/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.900	.100	.57400
1.900	.200	.51200
1.900	.300	.48240
1.900	.400	.44660
1.900	.500	.43110
1.900	.600	.40960
1.900	.700	.39560
1.900	.800	.38230
1.900	.900	.36710
1.900	1.000	.37030
1.980	1.750	.31640
1.900	2.500	.29270
1.980	3.250	.27290
1.900	4.000	.25680
1.900	6.000	.23940
1.900	8.000	.23230
1.900	10.000	.23090
1.900	12.000	.23090
1.900	14.000	.23050
1.900	16.000	.23200
1.900	GRADIENT	-.06619

ORIGINAL PAGE IS
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DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 54

AVES 11-97-010 058A,B SF2 + PA3 + BRA

(REX029) (30 SEP 77)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 396/ 0 RN/L = 2.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	.56360
2.000	.200	.50360
2.000	.300	.47770
2.000	.400	.43750
2.000	.500	.42220
2.000	.600	.40360
2.000	.700	.38990
2.000	.800	.36680
2.000	.900	.36760
2.000	1.000	.35620
2.000	1.750	.31090
2.000	2.500	.27720
2.000	3.250	.26560
2.000	4.000	.24210
2.000	6.000	.22570
2.000	8.000	.22080
2.000	10.000	.22040
2.000	12.000	.21900
2.000	14.000	.21850
2.000	16.000	.21930
2.000	GRADIENT	-.06748

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TABULATED SOURCE DATA - OSB

PAGE 55

(REX029) (30 SEP 74)

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 405/ 0 RN/L = 2.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.100	.100	.57210
2.100	.200	.51690
2.100	.300	.47320
2.100	.400	.45400
2.100	.500	.42180
2.100	.600	.41140
2.100	.700	.38980
2.100	.800	.37370
2.100	.900	.36250
2.100	1.000	.35280
2.100	1.750	.31480
2.100	2.500	.28380
2.100	3.250	.26090
2.100	4.000	.25120
2.100	6.000	.22320
2.100	8.000	.21580
2.100	10.000	.21520
2.100	12.000	.21580
2.100	14.000	.21710
2.100	16.000	.21640
2.100	GRADIENT	-.06805

ORIGINAL PAGE IS
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DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 58
(REX029) (30 SEP 74)

AMES 11-57-010 058A.8 SF2 + PA3 + BRA

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 4064 2 RM/L = 2.22 GRADIENT INTERVAL = -5.08/ 5.00

MACH	Z	PS/PT
2.200	.100	.57690
2.200	.200	.50958
2.200	.300	.47250
2.200	.400	.43190
2.200	.500	.41190
2.200	.600	.40550
2.200	.700	.39180
2.200	.800	.38080
2.200	.900	.35300
2.200	1.000	.35710
2.200	1.750	.30180
2.200	2.500	.27670
2.200	3.250	.25900
2.200	4.000	.24190
2.200	6.000	.21160
2.200	8.000	.20260
2.200	10.000	.20130
2.200	12.000	.20170
2.200	14.000	.20170
2.200	16.000	.20360
	GRADIENT	-.06891

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 57

AVES 11-97-010 058A,B SF2 + PA3 + BRA

(REX029) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO: 409/ 0 RM/L = 2.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.300	.100	.59620
2.300	.200	.53180
2.300	.300	.49690
2.300	.400	.45200
2.300	.500	.43430
2.300	.600	.41470
2.300	.700	.39620
2.300	.800	.38080
2.300	.900	.36780
2.300	1.000	.35730
2.300	1.750	.31130
2.300	2.580	.27200
2.300	3.250	.25370
2.300	4.080	.24110
2.300	6.000	.20720
2.300	8.000	.19880
2.300	10.000	.19920
2.300	12.000	.20090
2.300	14.000	.20110
2.300	16.000	.19960
2.300	GRADIENT	-.07547

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 58

AVES 11-97-010 OSBA,B SF2 + PA3 + BRA

(PEX029) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 410/ 0 RV/L = 2.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.401	.108	.61050
2.401	.200	.54940
2.401	.300	.50710
2.401	.400	.45690
2.401	.500	.43470
2.481	.600	.41730
2.401	.700	.39690
2.401	.800	.37960
2.401	.900	.37630
2.401	1.000	.36380
2.401	1.750	.30910
2.401	2.500	.28060
2.401	3.250	.26020
2.401	4.000	.23980
2.401	6.000	.20790
2.401	8.000	.19720
2.401	10.000	.19440
2.401	12.000	.19580
2.401	14.000	.19710
2.401	16.000	.19450
2.401	GRADIENT	-.07723

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 058A,B SF2 + PA3 + BRA

PAGE 58

(REX029) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
BLPOS = 2.000

RUN NO. 420/ 0 RVAL = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	.63390
2.505	.200	.57640
2.505	.300	.5292
2.505	.400	.4867
2.505	.500	.46840
2.505	.600	.42940
2.505	.700	.40860
2.505	.800	.39600
2.505	.900	.39190
2.505	1.000	.37600
2.505	1.758	.32440
2.505	2.500	.28110
2.505	3.250	.25850
2.505	4.000	.24110
2.505	6.000	.21120
2.505	8.000	.19710
2.505	10.000	.19450
2.505	12.000	.19570
2.505	14.000	.19610
2.505	16.000	.19670
2.505	GRADIENT	-.08460

ORIGINAL PAGE IS
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TABULATED SOURCE DATA - 058

PAGE 68

AVES 11-97-010 058A,B SF2 + PA3 + ERA

(REX030) (30 SEP 77)

PARAMETRIC DATA

PT = 10.110 SF2 = 65.000
BLPOS = 2.000

RUN NO. 3894 0 RV/L = 2.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.598	.100	1.00100
1.598	.200	1.00200
1.598	.300	1.00300
1.598	.400	.99850
1.598	.500	1.00300
1.598	.600	1.00300
1.598	.700	1.00100
1.598	.800	.99980
1.598	.900	.99980
1.598	1.000	1.00100
1.598	1.750	.98500
1.598	2.500	.99160
1.598	3.250	.97360
1.598	4.000	.97610
1.598	6.000	.93880
1.598	8.000	.93420
1.598	10.000	.91240
1.598	12.000	.90200
1.598	14.000	.88530
1.598	16.000	.87490
1.598	GRADIENT	-.00778

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TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.B SF2 + PA3 + ERA

PAGE 61

(REX030) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 65.000
BLPOS = 2.000

RUN NO. 390/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.700	.100	1.00800
1.700	.200	1.00800
1.700	.300	1.00700
1.700	.400	1.00800
1.700	.500	1.00500
1.700	.600	1.00300
1.700	.700	1.00500
1.700	.800	1.00500
1.700	.900	1.00600
1.700	1.000	1.00700
1.700	1.750	.99770
1.700	2.500	.99840
1.700	3.250	.97410
1.700	4.000	.97250
1.700	5.000	.93640
1.700	6.000	.93780
1.700	10.000	.89970
1.700	12.000	.89940
1.700	14.000	.87600
1.700	16.000	.86630
	GRADIENT	-.00929

ORIGINAL PAGE IS
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TABULATED SOURCE DATA - OS8

PAGE 62

AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REX030) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
BLPOS = 2.000

RUN NO. 393/ U RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.800	.100	1.00080
1.800	.200	.99980
1.800	.300	1.00700
1.800	.400	1.00000
1.800	.500	1.00500
1.800	.600	1.00300
1.800	.700	1.00300
1.800	.800	1.00100
1.800	.900	1.00300
1.800	1.000	1.00700
1.800	1.750	.99260
1.800	2.500	.99350
1.800	3.250	.97710
1.800	4.000	.97250
1.800	6.000	.94290
1.800	8.000	.91350
1.800	10.000	.89350
1.800	12.000	.86840
1.800	14.000	.84920
1.800	16.000	.84050
	GRADIENT	-.00754

DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 63

AVES 11-97-010 OSBA.8 SF2 + PA3 + BRA

(REX030) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
BLPOS = 2.000

RUN NO. 394/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.980	.100	1.01100
1.980	.200	1.00900
1.980	.300	1.00700
1.900	.400	1.01300
1.900	.500	1.01100
1.900	.600	1.00800
1.900	.700	1.01000
1.900	.800	1.01200
1.900	.900	1.01300
1.900	1.000	1.00900
1.900	1.750	1.00500
1.900	2.500	1.00300
1.900	3.250	.99300
1.900	4.000	.98220
1.900	6.000	.94070
1.900	8.000	.90590
1.900	10.000	.87230
1.900	12.000	.84460
1.900	14.000	1.01600
1.900	16.000	.82460
GRADIENT		-.08653

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 058A.B SF2 + PA3 + BRA

PAGE 64

(REX030) (30 SEP 74)

PARAMETRIC DATA

885.000

10.110 SF2

PT =

2.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 403/ 0 RM/L = 2.41

Z	MACH	PS/PT
.100	2.000	1.05900
.200	2.000	1.04600
.300	2.000	1.04900
.400	2.000	1.05200
.500	2.000	1.07100
.600	2.000	1.04500
.700	2.000	1.05500
.800	2.000	1.07500
.900	2.000	1.05400
1.000	2.000	1.09300
1.750	2.000	1.08700
2.500	2.000	1.09908
3.250	2.000	1.09800
4.000	2.000	1.11500
6.000	2.000	1.10800
8.000	2.000	1.03100
10.000	2.000	.94660
12.000	2.000	.76540
14.000	2.000	.46460
16.000	2.000	.44870
GRADIENT	2.000	.01675

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

PAGE 65

AVES 11-97-010 058A.3 SF2 + PA3 + BRA

(REX0307 (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
BLPOS = 2.000

RUN NO. 404/ 0 RM/L = 2.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.108	.100	1.07300
2.100	.200	1.07200
2.100	.300	1.08400
2.100	.400	1.07700
2.100	.500	1.08800
2.100	.600	1.08800
2.100	.700	1.10400
2.100	.800	1.08200
2.100	.900	1.10800
2.100	1.000	1.08400
2.100	1.750	1.11800
2.100	2.500	1.12500
2.100	3.250	1.12900
2.100	4.000	1.12800
2.100	6.000	1.13400
2.100	8.000	1.08800
2.100	10.000	.86850
2.100	12.000	.67028
2.100	14.000	.41610
2.100	16.000	.35370
2.100	GRADIENT	.01535

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TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A B SF2 + PA3 + BRA

PAGE 68
(REX030) (30 SEP 74)

RUN NO. 407/ 0

RM/L = 2.22

GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

PT = 10.110 SF2 = 65.000
BLPOS = 2.000

MACH	Z	PS/PT
2.200	.100	1.08100
2.200	.200	1.07700
2.200	.300	1.09300
2.200	.400	1.08700
2.200	.500	1.09900
2.200	.600	1.10200
2.200	.700	1.11100
2.200	.800	1.10400
2.200	.900	1.10900
2.200	1.000	1.11100
2.200	1.750	1.11600
2.200	2.500	1.13200
2.200	3.250	1.13300
2.200	4.000	1.13400
2.200	6.000	1.13000
2.200	8.000	1.03500
2.200	10.000	.90100
2.200	12.000	.65930
2.200	14.000	.50580
2.200	16.000	.37500
	GRADIENT	.01363

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TABLATED SOURCE DATA - 058

PAGE 67

AMES 11-97-010 058A.8 SF2 + PA3 + BRA

(REX038) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.900
BLPOS = 2.000

RUN NO. 408/ 0 RV/L = 2.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.300	.108	1.09408
2.300	.200	1.12100
2.300	.300	1.13000
2.300	.400	1.12600
2.300	.500	1.12400
2.300	.600	1.12000
2.300	.700	1.10900
2.300	.800	1.14580
2.300	.900	1.11900
2.300	1.000	1.11800
2.300	1.750	1.15700
2.300	2.590	1.16200
2.300	3.250	1.16500
2.300	4.080	1.17000
2.300	6.000	1.17400
2.300	8.000	1.02900
2.300	10.000	.86080
2.300	12.000	.61340
2.300	14.000	.42800
2.300	16.000	.33438
2.300	GRADIENT	.01634

ORIGINAL PAGE IS
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DATE 21 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 68

AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REX030) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
BLPOS = 2.000

RUN NO. 411/ 0 RN/L = 2.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z'	PS/PT
2.401	.100	1.12900
2.401	.200	1.14600
2.401	.300	1.16600
2.401	.400	1.15300
2.401	.500	1.17200
2.401	.600	1.16700
2.401	.700	1.16700
2.401	.800	1.16900
2.401	.900	1.17200
2.401	1.000	1.16200
2.401	1.750	1.18400
2.401	2.500	1.20200
2.401	3.250	1.20700
2.401	4.000	1.19500
2.401	6.000	1.20700
2.401	8.000	1.09600
2.401	10.000	.86720
2.401	12.000	.59330
2.401	14.000	.37520
2.401	16.000	.31140
	GRADIENT	.01491

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TABULATED SOURCE DATA - OS8

PAGE 69

AMES 11-97-810 OS8A.8 SF2 + PA3 + BRA

(REX030) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
BLPOS = 2.000

RUN NO. 412/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.08

MACH	Z	PS/PT
2.505	.100	1.12900
2.505	.200	1.17300
2.505	.300	1.19100
2.505	.400	1.19300
2.505	.500	1.21100
2.505	.600	1.19000
2.505	.700	1.20100
2.505	.800	1.21300
2.585	.900	1.21900
2.505	1.000	1.19500
2.585	1.750	1.22700
2.505	2.500	1.25500
2.505	3.250	1.26800
2.505	4.000	1.26600
2.505	6.000	1.21400
2.585	8.000	1.12300
2.505	10.000	.79740
2.505	12.000	.62240
2.505	14.000	.40310
2.505	16.000	.28740
	GRADIENT	.02700

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TABULATED SOURCE DATA - 058

PAGE 70

AVES 11-87-010 058A.B SF2 + PA3 + ERA

(REX031) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 + 64.000
BLPOS = 2.000

RUN NO. 388/ 0 RN/L = 2.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	.99680
1.599	.200	.99420
1.599	.300	.99450
1.599	.400	.99200
1.599	.500	.98940
1.599	.600	.98770
1.599	.700	.98250
1.599	.800	.98350
1.599	.900	.98710
1.599	1.000	.98010
1.599	1.750	.96940
1.599	2.500	.94820
1.599	3.250	.93740
1.599	4.000	.93830
1.599	6.000	.92070
1.599	8.000	.90860
1.599	10.000	.89320
1.599	12.000	.87650
1.599	14.000	1.03000
1.599	16.000	.85680
1.599	GRADIENT	-.01688

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TABULATED SOURCE DATA - 058

AVES 11-97-010 058A.B SF2 + PA3 + BRA

PAGE 71
(REX031) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 64.000
BLPOS = 2.000

RUN NO. 402/ 0 RN/L = 2.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	1.04300
2.000	.200	1.04930
2.000	.300	1.05400
2.000	.400	1.04700
2.000	.500	1.05680
2.000	.600	1.04800
2.000	.700	1.05400
2.000	.800	1.05000
2.000	.900	1.05000
2.000	1.000	1.06800
2.000	1.750	1.06300
2.000	2.500	1.07400
2.000	3.250	1.05580
2.000	4.000	1.06900
2.000	6.000	.90260
2.000	8.000	.75160
2.000	10.000	.57250
2.000	12.000	.46280
2.000	14.000	.33990
2.000	16.000	1.09900
2.000	GRADIENT	.00522

ORIGINAL PAGE IS
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DATE 21 JAN 77

TABULATED SOURCE DATA - OSB

AMES 11-97-010 058A.8 SF2 + PA3 + BRA

PAGE 72

(REX031) 1 30 SEP 74

PARAMETRIC DATA

PT = 10.110 SF2 = 64.000
BLPOS = 2.000

RUN NO. 4134 0 RM/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	1.13200
2.505	.200	1.18300
2.505	.300	1.18400
2.505	.400	1.18700
2.505	.500	1.17400
2.505	.600	1.19400
2.505	.700	1.20000
2.505	.800	1.19600
2.505	.900	1.21500
2.505	1.000	1.20300
2.505	1.750	1.21100
2.505	2.500	1.21300
2.505	3.250	1.22300
2.505	4.000	1.19300
2.505	6.000	1.05800
2.505	8.000	.69470
2.505	10.000	.45800
2.505	12.000	.29390
2.505	14.000	.23150
2.505	16.000	.21960
2.505	GRADIENT	.00978

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TABULATED SOURCE DATA - 058

PAGE 73

AVES 11-97-010 058A,B SF2 + PA3 + BRA

(REX032) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 53.000
BLPOS = 2.000

RUN NO. 387/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	.93180
1.599	.200	.95040
1.599	.300	.98920
1.599	.400	.97810
1.599	.500	.97590
1.599	.600	.97970
1.599	.700	.97510
1.599	.800	.97160
1.599	.900	.97290
1.599	1.000	.97040
1.599	1.750	.94120
1.599	2.500	.93630
1.599	3.250	.93440
1.599	4.000	.91920
1.599	5.000	.89330
1.599	6.000	.87650
1.599	8.000	.86430
1.599	10.000	.84480
1.599	12.000	.84160
1.599	14.000	.83540
1.599	16.000	.81867

GRADIENT

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TABULATED SOURCE DATA - OSB

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AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REX032) (30 SEP 74)

PARAMETRIC DATA

PF = 10.110 SF2 = 53.000
BLPOS = 2.000

RUN NO. 401/ 0 RV/L = 2.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	1.03300
2.000	.200	1.04600
2.000	.300	1.05500
2.000	.400	1.05700
2.000	.500	1.04500
2.000	.600	1.04500
2.000	.700	1.04600
2.000	.800	1.05200
2.000	.900	1.05100
2.000	1.000	1.05600
2.000	1.750	1.05200
2.000	2.500	1.03800
2.000	3.250	1.01000
2.000	4.000	.98080
2.000	6.000	.75930
2.000	8.000	.51250
2.000	10.000	.37220
2.000	12.000	.32360
2.000	14.000	.31250
2.000	16.000	.31400
	GRADIENT	-.01413

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TABULATED SOURCE DATA - OSB

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AMES 11-97-010 OSBA.8 SF2 + PA3 + BRA

(REX032) (30 SEP 74)

PARAMETRIC DATA

PT 10.110 SF2 53.000
BLPOS 2.000

RUN 1.0. 414/ 0 RV/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	1.13900
2.505	.200	1.19100
2.505	.300	1.19300
2.505	.400	1.18600
2.505	.500	1.20700
2.505	.600	1.19700
2.505	.700	1.20600
2.505	.800	1.20700
2.505	.900	1.20300
2.505	1.000	1.19900
2.505	1.750	1.21000
2.505	2.500	1.17390
2.505	3.250	1.14700
2.505	4.000	1.06200
2.505	6.000	.71770
2.505	8.000	.41790
2.505	10.000	.27360
2.505	12.000	.22120
2.505	14.000	.21930
2.505	16.000	.22330
	GRADIENT	-.02288

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TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REX033) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 45.000
BLPOS = 2.000

RUN NO. 386/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	.98150
1.599	.200	.97690
1.599	.300	.96960
1.599	.400	.97300
1.599	.500	.96640
1.599	.600	.96230
1.599	.700	.95970
1.599	.800	.95700
1.599	.900	.94900
1.599	1.000	.95020
1.599	1.750	.92570
1.599	2.500	.92040
1.599	3.250	.90820
1.599	4.000	.89560
1.599	6.000	.86830
1.599	8.000	.85100
1.599	10.000	.82490
1.599	12.000	.81660
1.599	14.000	.81410
1.599	16.000	.81480
1.599	GRADIENT	-.02168

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TABULATED SOURCE DATA - OSB

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(REX033) (20 SEC 7:)

AMES 11-97-010 OSBA,B SF2 + PA3 + BRA

PARAMETRIC DATA

PT = 10.110 SF2 = 45.000
BLPOS = 2.000

RUN NO. 400/ 0 RM/L = 2.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	1.04800
2.000	.200	1.04600
2.000	.300	1.04400
2.000	.400	1.04800
2.000	.500	1.04900
2.000	.600	1.05800
2.000	.700	1.04300
2.000	.800	1.04500
2.000	.900	1.05100
2.000	1.000	1.06200
2.000	1.750	1.03800
2.000	2.500	1.01300
2.000	3.250	.96980
2.000	4.000	.83910
2.000	6.000	.56220
2.000	8.000	.36760
2.000	10.000	.33510
2.000	12.000	.30580
2.000	14.000	.30750
2.000	16.000	.31040
2.000	GRADIENT	-.04155

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TABULATED SOURCE DATA - OSB

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AMES 11-97-010 OSBA,B SF2 + PA3 + BRA

(REX033) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 45.000
BLPOS = 2.000

RUN NO. 415/ 0 RV/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	1.14600
2.505	.200	1.21600
2.505	.300	1.23400
2.505	.400	1.23600
2.505	.500	1.23600
2.505	.600	1.25200
2.505	.700	1.25700
2.505	.800	1.25900
2.505	.900	1.26900
2.505	1.000	1.24400
2.505	1.750	1.08500
2.505	2.500	.80510
2.505	3.250	.58280
2.505	4.000	.45040
2.505	6.000	.29280
2.505	8.000	.22910
2.505	10.000	.26230
2.505	12.000	.30120
2.505	14.000	.30200
2.505	16.000	.30280
2.505	GRADIENT	-.21419

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PAGE 79

(REX034) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000

BLPOS = 2.000

TABULATED SOURCE DATA - 058

AVES 11-97-010 058A.8 SF2 + PA3 + BRA

RUN NO. 3854 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	.96850
1.599	.200	.96898
1.599	.300	.96410
1.599	.400	.94620
1.599	.500	.94820
1.599	.600	.94820
1.599	.700	.93430
1.599	.800	.94040
1.599	.900	.93200
1.599	1.000	.93570
1.599	1.750	.93110
1.599	2.500	.89880
1.599	3.250	.88410
1.599	4.000	.86290
1.599	6.000	.82590
1.599	8.000	.81520
1.599	10.000	.79970
1.599	12.000	.78540
1.599	14.000	.78660
1.599	16.000	.78750
1.599	GRADIENT	-.02511

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TABULATED SOURCE DATA - OSB

PAGE 10

AMES 11-87-010 OSBA.8 SF2 + PA3 + BRA

(EX034) (29 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000
ELPOS = 2.000

RUN NO. 399/ 0 RN/L = 2.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	1.03400
2.000	.200	1.03980
2.000	.300	1.03790
2.000	.400	1.04800
2.000	.500	1.05300
2.000	.600	1.04000
2.000	.700	1.04700
2.000	.800	1.03200
2.000	.900	1.02100
2.000	1.000	1.02300
2.000	1.750	.96110
2.000	2.500	.73790
2.000	3.250	.58130
2.000	4.000	.58080
2.000	6.000	.38240
2.000	8.000	.30980
2.000	10.000	.28590
2.000	12.000	.30010
2.000	14.000	.34350
2.000	16.000	.36140
2.000	GRADIENT	-.13833

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TABLATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REX034) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000
BLPOS = 2.000

RUN NO. 416/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	1.15200
2.505	.200	1.22600
2.505	.300	1.22100
2.505	.400	1.23300
2.505	.500	1.23300
2.505	.600	1.23400
2.505	.700	1.21300
2.505	.800	1.20800
2.505	.900	1.20600
2.505	1.000	1.19100
2.505	1.750	1.06600
2.505	2.580	.74980
2.505	3.250	.56470
2.505	4.000	.42420
2.505	6.000	.28200
2.505	8.000	.21720
2.505	10.000	.25120
2.505	12.000	.28700
2.505	14.000	.28770
2.505	16.000	.28860
GRADIENT		-.21865

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TABULATED SOURCE DATA - 058

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AMES 11-97-010 058A.8 SF2 + PA3 + BRA

(REX038) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 30.000
BLPOS = 2.000

RUN NO. 384/ 0 RM/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	1.01300
1.599	.200	1.01500
1.599	.300	1.01600
1.599	.400	1.01800
1.599	.500	1.01600
1.599	.600	1.02100
1.599	.700	1.02200
1.599	.800	1.02000
1.599	.900	1.01100
1.592	1.000	1.01600
1.599	1.750	1.02700
1.599	2.500	1.02500
1.599	3.250	1.01900
1.599	4.000	.94910
1.599	6.000	.78700
1.599	8.000	.67790
1.599	10.000	.51150
1.599	12.000	.46390
1.599	14.000	.45360
1.599	16.000	.44960
	GRADIENT	-.00872

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TABLATED SOURCE DATA - 058

APES 11-97-010 058A.8 SF2 + PA3 + BRA

PAGE 23

(REX0351 (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 30.000
BLPOS = 2.000

RUN NO. 398/ 0 RN/L = 2.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	1.01600
2.000	.200	1.01700
2.000	.300	1.01900
2.000	.400	.99850
2.000	.500	1.00300
2.000	.600	1.00600
2.000	.700	.94450
2.000	.800	.91010
2.000	.900	.86760
2.000	1.000	.87550
2.000	1.750	.66330
2.000	2.500	.49660
2.000	3.250	.42030
2.000	4.000	.36340
2.000	6.000	.30280
2.000	8.000	.30350
2.000	10.000	.33490
2.000	12.000	.33460
2.000	14.000	.33440
2.000	16.000	.33600
2.000	GRADIENT	-.19411

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TABULATED SOURCE DATA - 058

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AMES 11-97-010 058A,B SF2 + PA3 + BRA

(REX035) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 30.000
BLPOS = 2.000

RUN NO. 418/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	1.16400
2.505	.200	1.24308
2.505	.300	1.27000
2.505	.400	1.20400
2.505	.500	1.17300
2.505	.600	1.07400
2.505	.700	.95020
2.505	.800	.93370
2.505	1.000	.86330
2.505	1.750	.50080
2.505	2.500	.37170
2.505	3.250	.32530
2.505	4.000	.27080
2.505	6.000	.27840
2.505	8.000	.26780
2.505	10.000	.26420
2.505	12.000	.26570
2.505	14.000	.26550
2.505	16.000	.26600
2.505	GRADIENT	-.28243

DATE 21 JAN 77

TABULATED SOURCE DATA - 058

AVES 11-97-010 058A,B SF2 + PA3 + BRA

PAGE 05

(PEX0381 (30 SEP 77)

PARAMETRIC DATA

PT = 10.110 SF2 = 24.030
BLPOS = 2.000

RUN NO. 383/ 0 RM/L = 2.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
1.599	.100	1.00200
1.599	.200	1.00500
1.599	.300	.99798
1.599	.400	.98190
1.599	.500	.97350
1.599	.600	.94740
1.599	.700	.94770
1.599	.800	.91540
1.599	.900	.90480
1.599	1.000	.90350
1.599	1.750	.74730
1.599	2.500	.58730
1.599	3.250	.53230
1.599	4.000	.48510
1.599	6.000	.40600
1.599	8.000	.39580
1.599	10.000	.39680
1.599	12.000	.42030
1.599	14.000	.43070
1.599	16.000	.43200
1.599	GRADIENT	-.15089

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TABULATED SOURCE DATA - 058

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AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REX038) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 24.000
BLPOS = 2.000

RUN NO. 397/ 0 RV/L = 2.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.000	.100	.97820
2.000	.200	.93600
2.000	.300	.89630
2.000	.400	.79040
2.000	.500	.73820
2.000	.600	.66660
2.000	.700	.66440
2.000	.800	.56630
2.000	.900	.54920
2.000	1.000	.52900
2.000	1.750	.40650
2.000	2.500	.35680
2.000	3.250	.33420
2.000	4.000	.33040
2.000	6.000	.30820
2.000	8.000	.30070
2.000	10.000	.30040
2.000	12.000	.29630
2.000	14.000	.29740
2.000	16.000	.29680
2.000	GRADIENT	-.15834

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TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REX036) (30 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 24.000
BLPOS = 2.000

RUN NO. 419/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	PS/PT
2.505	.100	.69180
2.505	.200	.60610
2.505	.300	.55940
2.505	.400	.48970
2.505	.500	.47340
2.505	.600	.46090
2.505	.700	.42960
2.505	.800	.41970
2.505	.900	.39870
2.505	1.000	.39320
2.505	1.750	.33550
2.505	2.500	.29930
2.505	3.250	.27020
2.505	4.000	.25410
2.505	6.000	.22050
2.505	8.000	.20670
2.505	10.000	.20160
2.505	12.000	.20310
2.505	14.000	.20280
2.505	16.000	.20360
	GRADIENT	-.08904

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TABULATED SOURCE DATA - 058

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(REXP01) (21 JAN 77)

AMES 11-97-010 058A,B PA3 + BRA

PARAMETRIC DATA

PT = 12.260

P = 9.6370

MACH (1) = .598 PT (1) = 12.270 RN/L = 2.9060 (PS1) = 2.4100

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	.0083	.0013	-.0004	.0054	-.0216
-27.500			.0103		
-26.500	-.0108	-.0076	.0008	-.0086	-.0563
-25.500			-.0012		
-24.500	-.0061	-.0033	-.0002	-.0098	-.0124
-23.500			.0001		
-22.500	.0002	-.0027	.0022	-.0056	-.0056
-21.500			.0008		
-20.500	.0019	-.0053	.0024	.0059	-.0018
-19.500			.0060		
-18.500	-.0035	-.0052	.0004	-.0038	-.0038
-17.500			-.0004		
-16.500	-.0108	.0145	.0003	-.0014	-.0030
-15.500			-.0052		
-14.500	-.0005	-.0028	-.0038	-.0037	-.0047
-13.500			.0004		
-12.500	.0023	-.0032	-.0029	-.0036	.0015
-11.500			-.0002		
-10.500	.0000	-.0012	-.0109	-.0029	.0044
-9.500			.0024		
-8.500	.0052	-.0103	-.0001	-.0032	.0029
-7.500			.0001		
-6.500	-.0103	-.0045	-.0002	.0011	.0001
-5.500			-.0022		
-4.500	.0040	-.0033	-.0114	-.0024	.0014
-3.500			.0004		
-2.500	-.0008	-.0083	-.0035	-.0063	-.0087
-1.500			-.0079		
-.500	.0019	-.0079	.0019	-.0042	.0044
.500			-.0017		
1.500	.0006	-.0032	-.0006	-.0012	-.0099
2.500			-.0065		
3.500	-.0108	-.0117	-.0084	-.0032	.0078
4.500			-.0098		
5.500	-.0010	-.0114	-.0043	-.0014	-.0022
6.500			-.0129		
7.500	.0028	-.0088	-.0029	-.0063	.0030
8.500			-.0007		
9.500	.0024	-.0094	-.0063	-.0012	.0038
10.500			-.0032		
11.500	.0032	-.0067	.0035	-.0043	.0059

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TABULATED SOURCE DATA - OS8

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MACH (1) = .598 PT (1) = 12.270

(REXP01)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
12.500			.0037		
13.500	-.0113	-.0040	-.0012	.0024	.0032
14.500			.0055		
15.500	-.0010	-.0028	.0008	-.0065	-.0037
16.500			-.0001		
17.500	.0033	.0029	-.0024	-.0002	-.0010
18.500			.0029		
19.500	.0059	.0044	.0029	-.0012	.0044
20.500			.0034		
21.500	.0037	-.0067	.0040	-.0027	.0000
22.500			-.0024		
23.500	-.0108	-.0152	.0000	-.0032	.0017
24.500			-.0211		
25.500	-.0061	-.0246	.0000	-.0029	-.0042
26.500			-.0134		
27.500	.0059	.0000	.0005	.0034	-.0235

MACH (2) = .800 PT (1) = 12.280 RN/L = 3.3950 O(PS1) = 3.6120 R

= 8.0550

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500			-.0038	-.0176	-.0219
-27.500	.0058	-.0172	-.0079		
-26.500	-.0072	-.0071	-.0030	-.0062	-.0616
-25.500			-.0036		
-24.500	-.0051	-.0043	-.0044	-.0065	-.0148
-23.500			-.0058		
-22.500	-.0172	-.0018	.0045	-.0041	-.0044
-21.500			-.0057		
-20.500	-.0007	-.0058	.0029	-.0101	-.0128
-19.500			.0109		
-18.500	-.0130	-.0085	-.0058	-.0048	-.0065
-17.500			.0031		
-16.500	-.0072	-.0003	-.0047	-.0028	-.0059
-15.500			-.0022		
-14.500	-.0072	-.0037	-.0007	-.0062	-.0079
-13.500			-.0055		
-12.500	-.0152	-.0049	-.0058	-.0017	.0000
-11.500			-.0047		
-10.500	.0000	-.0034	-.0141	-.0125	-.0101
-9.500			-.0047		
-8.500	.0007	-.0117	-.0055	-.0035	.0003

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TABULATED SOURCE DATA - OS8

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AMES 11-97-010 058A.8 PA3 + BRA

(REXP01)

MACH (2) = .800 PT (1) = 12.280

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500			.0011		
-6.500	-.0065	-.0047	-.0067	.0007	-.0024
-5.500			-.0032		
-4.500	.0017	-.0016	-.0153	.0001	-.0076
-3.500			-.0058		
-2.500	-.0159	-.0018	-.0030	-.0043	-.0106
-1.500			-.0104		
-.500	-.0038	-.0020	-.0001	-.0025	-.0199
.500			-.0037		
1.500	.0030	-.0044	-.0056	.0003	-.0079
2.500			-.0068		
3.500	-.0065	-.0106	-.0050	-.0082	.0024
4.500			-.0100		
5.500	.0034	-.0094	-.0058	-.0044	-.0076
6.500			-.0147		
7.500	-.0118	-.0080	-.0027	-.0081	.0000
8.500			-.0008		
9.500	.0000	-.0109	-.0083	-.0046	-.0192
10.500			-.0065		
11.500	.0024	-.0106	.0038	-.0075	.0000
12.500			.0069		
13.500	-.0065	-.0051	-.0033	-.0044	.0000
14.500			.0084		
15.500	.0000	-.0060	.0031	-.0109	-.0079
16.500			-.0020		
17.500	-.0118	.0026	-.0006	.0178	-.0003
18.500			.0035		
19.500	.0044	.0059	.0108	-.0059	-.0172
20.500			.0106		
21.500	.0007	-.0089	-.0017	-.0089	.0000
22.500			-.0037		
23.500	-.0062	-.0301	.0000	-.0123	-.0076
24.500			-.0472		
25.500	-.0106	-.0404	.0000	-.0123	-.0076
26.500			-.0220		
27.500	-.0105	.0000	-.0085	-.0007	-.0300

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PARAMETRIC DATA

PT = 12.280
P = 9.6420

MACH (1) = .599 PT (1) = 12.280 L = 2.9160 O(PS1) = 2.4180

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-28.500	.0080	-.0016	-.0012	-.0016	-.0269
-27.500			-.0346		
-26.500	-.0341	-.0090	.0144	-.0074	-.0605
-25.500			.0022		
-24.500	-.0020	-.0014	-.0035	-.0326	-.0221
-23.500			.0022		
-22.500	-.0016	-.0034	.0027	-.0004	-.0035
-21.500			-.0024		
-20.500	-.0045	-.0160	.0006	.0017	-.0049
-19.500			.0048		
-18.500	-.0033	-.0087	.0022	-.0040	-.0055
-17.500			-.0019		
-16.500	-.0326	.0150	-.0029	.0088	-.0033
-15.500			-.0024		
-14.500	.0021	-.0055	-.0035	-.0296	-.0146
-13.500			.0017		
-12.500	-.0016	-.0050	-.0024	-.0025	.0031
-11.500			-.0075		
-10.500	.0000	-.0051	-.0111	.0006	-.0027
-9.500			-.0024		
-8.500	.0024	-.0129	.0017	-.0045	-.0055
-7.500	-.0331	-.0065	.0032	.0018	.0029
-6.500			.0022		
-5.500	.0062	-.0014	-.0117	.0048	-.0266
-4.500			.0027		
-3.500	-.0005	-.0060	.0002	.0011	-.0025
-2.500			-.0050		
-1.500	-.0045	-.0084	.0027	.0016	-.0011
.500			-.0013		
1.500	.0029	-.0009	-.0061	.0031	-.0055
2.500			-.0039		
3.500	-.0331	-.0075	.0027	-.0004	.0080
4.500			-.0095		
5.500	.0036	-.0055	-.0029	.0012	-.0326
6.500			-.0108		
7.500	.0000	-.0055	.0002	.0001	.0077
8.500			.0062		
9.500	-.0040	-.0117	.0001	.0042	-.0027
10.500			-.0051		
11.500	.0029	-.0066	.0079	.0042	-.0045

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(REXP02)

AMES 11-97-010 058A,B PA3 + BRA

MACH (1) = .599 PT (1) = 12.280

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X

12.500	-.0321	-.0004	.0094	.0069	.0044
13.500			.0006		
14.500			.0118		
15.500	.0021	.0052	.0092	.0022	-.0306
16.500			.0069		
17.500	.0000	.0047	.0104	.0169	.0067
18.500			.0128		
19.500	-.0045	.0026	.0072	.0016	-.0016
20.503			.0015		
21.500	.0029	-.0092	-.0136	-.0013	.0000
22.500			-.0106		
23.500	-.0336	-.0234	.0000	-.0030	.0018
24.500			-.0421		
25.500	-.0014	-.0274	.0000	-.0039	-.0311
26.500			.0170		
27.500	.0011	.0000	.0077	-.0045	-.0213

$\text{KACH} (2) = .799$
 $\text{PT} (1) = 12.280$
 $\text{RV/L} = 3.4050$
 $\text{Q(PSI)} = 3.6050$
 $\text{P} = 8.0680$

SECTION : 11 PANEL

DEPENDENT VARIABLE CP*

Y	-13.5000	-6.5000	-5000	6.5000	13.5000
---	----------	---------	-------	--------	---------

✕

.0089	-.0418	-.0038	-.0426	-.0510
-28.500		.0079		
-27.500	-.0093	.0005	-.0116	-.0579
-26.500		-.0036	-.0103	-.0028
-25.500	-.0012	.0039		-.0005
-24.500	-.0014	-.0015	-.0053	-.0005
-23.500	-.0078	.0017	-.0446	-.0446
-22.500	-.0046	-.0019	-.0437	-.0368
-21.500	-.0114	-.0049		-.0034
-20.500	-.0137	.0053	-.0048	-.0045
-19.500	-.0332	-.0067	-.0123	-.0002
-18.500	-.0332	-.0063	-.0036	
-17.500	-.0019	-.0035	-.0514	-.0430
-16.500	-.0012	-.0025		
-15.500	-.0018	-.0038	-.0430	-.0299
-14.500	.0000	-.0135		
-13.500	-.0000	-.0016		
-12.500	.0034	-.0101		
-11.500				
-10.500				
-9.500				
-8.500				

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

(REXP02)

AMES 11-97-010 OS8A,B PA3 + BRA

P = 7.2500

Q(PS1) = 4.1230

RN/L = 3.5480

PT

MACH (3) = .901

(1)

12.280

13.5000

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
-28.500	.0078	-.0425	.0000	-.0419	-.0658
-27.500			-.0190		
-26.500	-.0073	-.0141	-.0106	-.0066	-.0645
-25.500			-.0019		
-24.500	-.0028	-.0088	-.0020	-.0094	-.0157
-23.500			-.0090		
-22.500	-.0425	-.0085	.0003	.0005	-.0058
-21.500			-.0079		
-20.500	-.0709	-.0129	-.0022	-.0600	-.0443
-19.500			.0038		
-18.500	-.0027	-.0177	-.0081	-.0396	-.0511
-17.500			-.0024		
-16.500	-.0228	-.0060	-.0079	.0045	-.0090
-15.500			-.0028		
-14.500	.0019	.0023	-.0042	-.0076	-.0172
-13.500			-.0084		
-12.500	-.0429	-.0151	-.0015	.0049	-.0028
-11.500			-.0067		
-10.500	.0000	-.0117	-.0106	-.0593	-.0432
-9.500			.0019		
-8.500	.0051	-.0219	-.0084	-.0428	-.0406
-7.500			.0027		
-6.500	-.0076	-.0150	-.0013	.0045	.0005
-5.500			.0014		
-4.500	.0091	-.0138	-.0078	.0081	-.0082
-3.500			-.0075		
-2.500	-.0429	-.0133	.0003	.0041	-.0076
-1.500			.0131		
.500	-.0390	-.0139	.0025	.0052	-.0436
1.500			-.0007		
2.500	.0096	-.0072	-.0075	.0074	-.0400
3.500			-.0030		
4.500	-.0025	-.0123	-.0052	.0040	.0084
5.500			-.0091		
6.500	.0127	.0035	-.0004	.0075	-.0076
7.500			-.0075		
8.500	-.0425	-.0091	.0039	.0071	.0073
9.500			.0172		
10.500	-.0313	-.0071	.0043	.0100	-.0429
11.500			.0019		
12.500	.0150	-.0036	-.0078	.0132	-.0310
13.500			.0172		
14.500	.0005	.0072	.0077	.0154	.0078
15.500	.0187	.0068	.0232	.0108	-.0046

(REXP02)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AMES 11-97-010 Q58A.8 PA3 + BRA

MACH (3) = .901 PT (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
16.500			.0009		
17.500			.0265	.0119	.0112
18.500			.0405		
19.500			.0313	.0115	-.0429
20.500			.0313		
21.500			.0046	.0032	.0000
22.500			.0048		
23.500			.0000	-.0090	-.0012
24.500			-.1118		
25.500			.0000	-.0249	-.0190
26.500			-.0630		
27.500			-.0402	-.0731	-.0393

MACH (4) = 1.205 PT (1) = 12.280 RV/L = 3.7580 Q(PSI) = 5.1150 P = 5.0350

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
-28.500			-.0065	-.1093	-.0682
-27.500			.0377		
-26.500			-.0166	-.0168	-.0540
-25.500			-.0106		
-24.500			-.0110	.0525	-.0207
-23.500			.0104		
-22.500			-.0062	-.0055	-.0024
-21.500			-.0077		
-20.500			-.0048	-.0205	-.1016
-19.500			-.0022		
-18.500			-.0175	-.0578	-.0629
-17.500			-.0086		
-16.500			-.0065	-.0016	-.0082
-15.500			-.0041		
-14.500			-.0086	-.0178	-.0271
-13.500			-.0234		
-12.500			-.0106	-.0048	-.0019
-11.500			-.0133	-.1164	-.1090
-10.500			-.0149		
-9.500			-.0066	-.0621	-.0520
-8.500			-.0261		
-7.500			-.0086	-.0043	.0010
-6.500			-.0152		
-5.500			-.0080		
-4.500			-.0159	.0018	-.0149

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(REXP02)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.B PA3 + BRA

MACH (4) = 1.205 PT (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-3.500	-.1104	-.0048	-.0271	-.0049	-.0082
-2.500			-.0055		
-1.500	-.0647	-.0032	-.0121	-.0010	-.1101
-.500			-.0009		
1.500	.0032	-.0102	-.0188	-.0017	-.0537
2.500			-.0035		
3.500	-.0295	-.0110	-.0073	-.0210	.0039
4.500			-.0135		
5.500	.0024	-.0123	-.0079	-.0047	-.0195
6.500	-.1098	-.0060	-.0014	-.0008	.0060
7.500			.0036		
8.500	-.0604	-.0099	-.0005	-.0015	-.1107
9.500			-.0079		
10.500	.0015	-.0193	-.0149	-.0032	-.0537
12.500			.0045		
13.500	-.0302	.0003	-.0085	-.0109	-.0009
14.500			.0122		
15.500	.0005	-.0020	.0020	-.0064	-.0222
16.500			-.0048		
17.500	-.1081	.0142	.0132	.0064	.0022
18.500			.0307		
19.500	-.0392	.0478	.0485	.0190	-.1107
20.500			.0776		
21.500	.0327	.0839	.0846	.0369	.0000
22.500			.1412		
23.500	.0535	.1165	.0000	.0557	.0242
24.500			.0810		
25.500	.1011	.0089	.0000	.0780	.0206
26.500			-.0594		
27.500	-.0562	.0000	-.0537	-.0120	.0941

MACH (5) = 1.399 PT (1) = 12.290 RN/L = 3.7010 Q(PS1) = 5.2980 P = 3.8650

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-28.500	.0077	-.2440	.0019	-.2449	-.1662
-27.500			-.0196		
-26.500	-.0205	.0010	-.0002	-.0042	-.0375
-25.500			.0075		
-24.500	.0048	.0012	.0000	-.0147	.0099

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 97

(REXP02)

MACH (5) = 1.399 PT (1) = 12.290

AVES 11-97-010 058A.B PA3 + BRA

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-23.500			.0061		
-22.500	-.2446	.0033	.0029	.0064	.0164
-21.500			.0012		
-20.500	-.2147	-.0050	.0021	.1758	-.1400
-19.500			.0025		
-18.500	-.0005	-.0068	.0064	-.1764	-.1726
-17.500			.0012		
-16.500	-.0245	.0029	.0067	.0049	-.0042
-15.500			.0006		
-14.500	.0030	-.0143	.0060	.0131	-.0080
-13.500			.0064		
-12.500	-.2407	-.0099	.0039	-.0026	.0058
-11.500			.0138		
-10.500	.0000	-.0047	.0078	-.2413	-.2158
-9.500			.0025		
-8.500	.0033	-.0106	.0027	.1759	-.1726
-7.500			.0032		
-6.500	-.0182	-.0090	.0136	-.0851	.0056
-5.500			.0057		
-4.500	.0039	-.0083	.0150	.0033	.0018
-3.500			.0024		
-2.500	-.2404	-.0043	.0034	-.0080	-.0049
-1.500			.0159		
.500	-.1791	-.0147	.0023	.0016	-.2281
1.500			.0090		
2.500	-.0037	-.0022	.0075	.0070	-.1726
3.500			.0016		
4.500	.0191	-.0134	.0104	-.0092	-.0021
5.500			.0145		
6.500	-.0035	-.0180	.0125	-.0083	-.0161
7.500			.0145		
8.500	-.2401	-.0097	.0078	-.0120	.0018
9.500			.0064		
10.500	-.1769	-.0160	.0036	.0039	-.2443
11.500			.0150		
12.500	-.0033	-.0115	.0041	-.0100	-.1713
13.500			.0008		
14.500	-.0191	-.0074	.0166	.0022	-.0040
15.500			.0045		
16.500	-.0054	-.0145	.0080	-.0050	-.0173
17.500			.0010		
18.500	-.2398	-.0071	.0039	-.0101	-.0012
19.500			.0067		
20.500	-.1764	-.0060	.0030	-.0016	-.2443
			.0000		

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TABULATED SOURCE DATA - OS8

PAGE 98

AMES 11-97-010 OS8A,B PA3 + BRA

(REXP02)

MACH (5) = 1.399 PT (1) = 12.290

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
21.500	.0014	.0215	.0131	-.0032	.0000
22.500			.0622		
23.500	-.0182	.0873	.0000	.0041	-.0070
24.500			.0737		
25.500	.0166	.0262	.0000	.0205	-.0201
26.500			-.0245		
27.500	-.176	.0000	-.0663	-.1528	-.0128

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A,B PA3 + BRA

PAGE 99
(REXP03) (21 JAN 77)

PARAMETRIC DATA

MACH (1) = .799 PT (1) = 12.280 RV/L = 3.4030 O(PSI) = 3.8050 P = 8.0600
SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-28.500	.0081	-.0302	-.0004	-.0309	-.0185
-27.500			-.0137		
-26.500	-.0162	-.0096	.0027	-.0124	-.0576
-25.500			-.0027		
-24.500	-.0045	-.0061	-.0070	-.0248	-.0092
-23.500			-.0065		
-22.500	-.0302	-.0020	.0021	-.0055	.0003
-21.500			-.0061		
-20.500	-.0116	-.0070	.0028	-.0317	-.0325
-19.500			.0055		
-18.500	-.0056	-.0149	-.0020	-.0017	-.0085
-17.500			-.0027		
-16.500	-.0155	.0055	-.0031	.0023	-.0056
-15.500			-.0006		
-14.500	-.0028	-.0146	-.0022	-.0234	-.0102
-13.500			-.0020		
-12.500	-.0302	-.0037	-.0027	.0030	.0010
-11.500			.0030		
-10.500	.0000	-.0055	-.0129	-.0333	-.0317
-9.500			-.0007		
-8.500	-.0004	-.0187	-.0086	-.0065	.0004
-7.500			.0010		
-6.500	-.0287	-.0092	-.0027	-.0021	.0054
-5.500			-.0027		
-4.500	.0020	-.0109	-.0125	.0017	-.0089
-3.500			-.0055		
-2.500	-.0305	-.0071	.0000	-.0041	-.0011
-1.500			.0027		
.500	-.0113	.0088	.0035	-.0003	-.0317
1.500			-.0303		
2.500	.0044	-.0093	.0152	-.0003	.0018
3.500			-.0048		
4.500	-.0109	-.0116	.0054	-.0239	.0105
5.500			-.0109		
6.500	.0065	.0115	-.0018	-.0024	-.0172
7.500			-.0159		
8.500	-.0298	-.0109	.0003	-.0014	.0085
9.500			.0176		
10.500	-.0113	-.0121	.0001	-.0003	-.0305
11.500			-.0022		
	.0053	-.0107	.0014	.0019	.0079

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TABULATED SOURCE DATA - OS8

PAGE 100

AMES 11-97-010 OS8A,B PA3 + BRA

(REXP03)

MACH (1) = .799 PT (1) = 12.280

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

12.500			.0116	
13.500	-.0200	.0007	.0061	-.0020
14.500			.0151	.0064
15.500	.0075	-.0034	.0107	-.0041
16.500			.0098	-.0102
17.500	-.0298	.0100	.0151	.0139
18.500			.0190	.0071
19.500	.0072	.0132	.0151	-.0023
20.500			.0114	-.0313
21.500	.0040	-.0103	.0225	-.0059
22.500			.0123	.0000
23.500	-.0283	-.0260	.0000	-.0114
24.500			.0652	.0003
25.500	-.0065	-.0396	.0000	-.0154
26.500			.0378	-.0102
27.500	-.0317	.0000	-.0045	-.0116
				-.0273

MACH (2) = 1.205 PT (1) = 12.230 RN/L = 3.7600 Q(P51) = 5.1170 P = 5.0350

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	.0063	-.2391	-.0053	-.2391	-.0394
-27.500			.0252		
-26.500	.0131	-.0152	-.0087	-.0140	-.0496
-25.500			.0077		
-24.500	-.0060	-.0035	-.0076	.0503	-.0205
-23.500			.0058		
-22.500	-.2397	-.0043	.0012	-.0036	.0009
-21.500			.0040		
-20.500	-.0428	-.0105	-.0026	-.1346	-.2073
-19.500			.0007		
-18.500	-.0065	-.0288	-.0124	-.0295	-.0356
-17.500			.0017		
-16.500	-.0363	-.0009	-.0049	.0019	-.0058
-15.500			.0017		
-14.500	-.0029	-.0116	-.0055	-.0318	-.0340
-13.500			.0229		
-12.500	-.2404	-.0123	-.0065	-.0015	-.0008
-11.500			.0099		
-10.500	.0000	-.0097	-.0147	-.2456	-.2374
-9.500			.0048		
-8.500	-.0009	-.0352	-.0242	.0349	-.0339

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 101

ANES 11-97-010 OS8A.8 PA3 + BR4

(REXP03)

MACH (2) = 1.205 PT (1) = 12.290

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-7.500					
-6.500					
-5.500					
-4.500					
-3.500					
-2.500					
-1.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

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TABULAT SOURCE DATA - 053

PAGE 102

AMES 11-97-010 OSBA.8 PA3 + BNA + BGI

(EXP04) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280

Q(PS1) = 2.4340 P = 9.6370

MACH (1) = .601 PT (1) = 12.300 RN/L = 2.9240
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	.0031	-.0045	-.0034	-.0050	-.0214
-27.500			-.0074		
-26.500	-.0261	-.0090	-.0297	-.0053	-.0455
-25.500			-.0038		
-24.500	-.0017	-.0276	-.0078	-.0048	-.0149
-23.500			-.0019		
-22.500	-.0045	-.0038	-.0009	-.0017	-.0068
-21.500			-.0276		
-20.500	-.0012	-.0074	-.0028	-.0045	-.0085
-19.500			-.0040		
-18.500	-.0034	-.0060	-.0019	-.0002	-.0103
-17.500			-.0024		
-16.500	-.0200	.0133	-.0256	.0016	-.0055
-15.500			-.0083		
-14.500	-.0017	-.0297	-.0107	-.0185	.0114
-13.500			-.0008		
-12.500	-.0070	-.0048	-.0024	-.0017	-.0007
-11.500			-.0230		
-10.500	.0000	-.0064	-.0103	-.0060	-.0065
-9.500			-.0059		
-8.500	-.0004	-.0126	-.0024	-.0002	-.0002
-7.500			-.0004		
-6.500	.0028	-.0064	-.0312	.0006	-.0009
-5.500			.0003		
-4.500	.0028	-.0363	-.0088	-.0019	-.0003
-3.500			-.0024		
-2.500	-.0050	-.0073	-.0029	-.0271	-.0063
-1.500			-.0333		
-.500	-.0007	-.0083	-.0033	-.0007	-.0050
.500			-.0059		
1.500	.0042	-.0034	-.0029	-.0015	-.0017
2.500			-.0044		
3.500	-.0048	-.0059	-.0353	-.0014	.0042
4.500			-.0073		
5.500	.0038	-.0363	-.0045	.0007	-.0175
6.500			-.0024		
7.500	-.0055	-.0033	.0027	-.0195	.0028
8.500			-.0292		
9.500	-.0007	-.0049	-.0012	.0028	-.0050
10.500			-.0025		
11.500	.0011	-.0014	.0002	.0018	-.0002

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 AMES 11-97-010 OS8A.B PA3 + BRA + BG1
 (REXPCT)

MACH (1) = .601 PT (1) = 12.300

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X	12.500	.0032	.0032	-.0003	.0036
13.500	.0088	.0032	-.0348	.0048	.0036
14.500	.0033	-.0379	.0014	-.0029	-.0235
15.500	-.0055	.0028	-.0077	-.0164	.0028
16.500	-.0037	.0033	-.0338	-.0033	-.0055
17.500	.0047	-.0070	.0018	-.0045	.0000
18.500	.0043	-.0105	-.0054	-.0034	-.0004
19.500	-.0002	-.0174	-.0255	-.0024	-.0225
20.500	-.0050	.0000	-.0126	-.0012	-.0194
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

MACH (2) = .804 PT (2) = 12.310 RV/L = 3.4210 Q(PSI) = 3.6410 P = 8.0450

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.0038	-.0160	-.0099	-.0156	-.0178
-27.500			-.0113		
-26.500	-.0113	-.0120	-.0096	-.0123	-.0421
-25.500			-.0063		
-24.500	-.0103	-.0093	-.0083	-.0174	-.0130
-23.500			-.0124		
-22.500	-.0163	-.0077	-.0032	-.0059	-.0042
-21.500			-.0069		
-20.500	-.0054	-.0092	-.0049	-.0207	-.0167
-19.500			-.0005		
-18.500	-.0062	-.0141	-.0121	-.0047	-.0091
-17.500			-.0042		
-16.500	-.0110	-.0028	-.0079	-.0069	-.0089
-15.500			-.0073		
-14.500	-.0052	-.0093	-.0063	-.0161	-.0178
-13.500			-.0110		
-12.500	-.0200	-.0100	-.0355	-.0049	-.0049
-11.500			-.0085		
-10.500	.0000	-.0060	-.0093	-.0223	-.0170
-9.500			-.0011		
-8.500	-.0038	-.0179	-.0110	-.0060	-.0054

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 104

AMES 11-97-010 OS8A,B PA3 + BRA + BG1

(REXPON)

MACH (2) = .804 PT (1) = 12.310

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-7.500	-.0150	-.0120	-.0035	-.0045	-.0045
-6.500			-.0082		
-5.500			-.0060		
-4.500	-.0032	-.0116	-.0102	-.0042	-.0154
-3.500			-.0121		
-2.500	-.0210	-.0030	-.0035	-.0086	-.0103
-1.500			-.0082		
-.500	-.0050	-.0066	-.0006	-.0046	-.0163
.500			-.0024		
1.500	-.0032	-.0056	-.0114	-.0031	-.0060
2.500			-.0055		
3.500	-.0178	-.0018	-.0082	-.0114	-.0018
4.500			-.0090		
5.500	-.0015	-.0055	-.0063	-.0042	-.0133
6.500			-.0110		
7.500	-.0170	-.0039	-.0035	-.0052	-.0028
8.500			-.0082		
9.500	-.0047	-.0027	-.0026	.0005	-.0163
10.500			-.0034		
11.500	-.0028	-.0090	-.0114	.0028	-.0057
12.500			.0026		
13.500	-.0181	-.0008	-.0079	-.0062	-.0018
14.500			.0038		
15.500	-.0032	-.0012	.0011	-.0055	-.0116
16.500			-.0110		
17.500	-.0160	.0032	.0033	-.0035	-.0018
18.500			-.0069		
19.500	-.0057	.0047	.0018	-.0049	-.0163
20.500			.0005		
21.500	-.0021	-.0114	-.0110	-.0057	.0000
22.500			-.0143		
23.500	-.0171	-.0140	.0000	-.0110	-.0042
24.500			-.0357		
25.500	-.0082	-.0215	.0000	-.0089	-.0106
26.500			-.0237		
27.500	-.0180	.0000	-.0096	-.0057	-.0221

(REXPB4)

AMES 11-97-010 058A,B PA3 + BRA + BG1

• 7.2600

$$Q(PSI) = 4.1400$$

12.310	RN/L	=	3.5570
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MACH 1.31 ± 0.03 PT 1.1

DEPENDENT VARIABLE CP

SECTION : 1) PANEL

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

x

X	-28.500	-.0032	-.0664	-.0103	-.0670	-.0147
-27.500				-.0077		
-26.500	-.0874	-.0120		-.0103	-.0181	-.0404
-25.500				-.0087		
-24.500	-.0089	-.0106		-.0104	-.0077	-.0077
-23.500				-.0204		
-22.500	-.0670	-.0098		-.0094	-.0131	-.0051
-21.500				-.0127		
-20.500	-.0141	-.0127		-.0090	-.0762	-.0689
-19.500				-.0057		
-18.500	-.0079	-.0231		-.0171	-.0075	-.0060
-17.500				-.0085		
-16.500	-.0077	-.0040		-.0124	-.0047	-.0062
-15.500				-.0087		
-14.500	-.0060	-.0151		-.0084	-.0139	-.0077
-13.500				-.0162		
-12.500	-.0683	-.0113		-.0061	-.0075	-.0036
-11.500				-.0112		
-10.500	.0000	-.0089		-.0093	-.0758	-.0677
-9.500				-.0021		
-8.500	-.0070	-.0219		-.0165	-.0084	-.0025
-7.500				-.0037		
-6.500	-.0077	-.0073		-.0094	-.0059	-.0026
-5.500				-.0072		
-4.500	-.0030	-.0077		-.0109	-.0058	-.0074
-3.500				-.0165		
-2.500	-.0727	-.0069		-.0040	-.0112	-.0066
-1.500				-.0091		
-.500	-.0132	-.0067		-.0048	-.0069	-.0667
.500				-.0092		
1.500	-.0056	-.0150		-.0165	-.0058	-.0019
2.500				-.0037		
3.500	-.0077	-.0076		-.0047	-.0129	.0028
4.500				-.0063		
5.500	-.0045	-.0094		-.0024	-.0013	-.0077
6.500				-.0165		
7.500	-.0683	-.0051		-.0005	-.0044	.0023
8.500				.0018		
9.500	-.0135	-.0061		.0026	.0008	-.0667
10.500				.0025		
11.500	.0001	-.0105		-.0159	.0022	.0032
12.500				.0100		
13.500	-.0077	.0037		.0030	-.0036	.0037
14.500				.0130		
15.500	.0011	.0018		.0099	.0011	-.0083

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TABULATED SOURCE DATA - OSB

PAGE 106

AMES 11-97-010 OS8A,B PA3 + BRA + BG1

(REXP04)

MACH (3) = .903 PT (1) = 12.310

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X

16.500	-.0680	.0088	-.0024	-.0006	.0047
17.500			.0070		
18.500			.0055		
19.500	.0032	.0087	.0053	-.0009	-.0670
20.500			.0033		
21.500	.0001	-.0168	-.0225	-.0064	.0000
22.500			-.0126		
23.500	-.0077	-.0251	.0000	-.0156	-.0047
24.500			-.0134		
25.500	-.0143	-.0401	.0000	-.0111	-.0083
26.500			-.0376		
27.500	-.0766	.0000	-.0190	-.0132	-.0235

MACH (4) = 1.204 PT (1) = 12.300 RN/L = 3.7680 O(PS1) = 5.1210 P = 5.0490

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X

-28.500	.0286	-.0622	.0252	-.0778	.0233
-27.500			.0558		
-26.500	.0272	.0303	.0339	.0274	-.0113
-25.500			.0339		
-24.500	.0172	.0305	.0260	.0347	.0403
-23.500			.0069		
-22.500	-.0750	.0212	.0207	.0208	.0255
-21.500			.0260		
-20.500	-.0010	.0243	.0172	-.0599	-.0685
-19.500			.0289		
-18.500	.0074	-.0125	-.0051	.0096	.0115
-17.500			.0089		
-16.500	.0224	.0148	.0127	.0070	.0082
-15.500			.0052		
-14.500	.0072	.0029	.0143	.0114	.0137
-13.500			-.0164		
-12.500	-.0629	.0018	.0019	.0019	.0079
-11.500			.0084		
-10.500	.0000	.0137	.0004	-.0807	-.0695
-9.500			.0173		
-8.500	.0048	-.0254	-.0154	.0012	.0115
-7.500			.0048		
-6.500	.0222	-.0048	.0039	.0041	.0088
-5.500			.0059		
-4.500	.0040	.0044	.0114	.0058	.0145

DATE 22 JAN 77
TABULATED SOURCE DATA - OSB
AMES 11-97-010 OS8A.B PA3 + BR4 + BG1

MACH (4) = 1.204 PT (1) = 12.300

SECTION : 11(PANEL)

DEPENDENT VARIABLE CP:

y	-13.5000	-6.5000	-5000	6.5000	13.5000
---	----------	---------	-------	--------	---------

-3.500	-.0691	-.0029	-.0151	.0020	-.0005
-2.500			.0003		
-1.500			-.0009	.0026	-.0686
-.500	.0017	.0053	.0021		
1.500			.0100	.0128	.0038
2.500	.0009	-.0235	-.0154		
3.500	.0222	-.0099	-.0046	-.0230	.0029
4.500			.0067		
5.500	-.0024	-.0063	-.0082	-.0060	.0062
6.500			.0071		
7.500	-.0822	-.0082	-.0271	-.0033	-.0003
8.500			-.0034		
9.500	-.0053	.0016	.0115	-.0058	-.0807
10.500			-.0029		
11.500	-.0043	-.0235	.0053	.0066	-.0039
12.500			-.0215		
13.500	.0018	-.0012	.0015	-.0161	-.0075
14.500			.0029		
15.500	-.0044	.0055	.0093	.0003	.0001
16.500			.0184		
17.500	-.0802	.0236	-.0036	.0141	-.0029
18.500			.0200		
19.500	.0154	.0425	.0472	.0275	-.0802
20.500			.0421		
21.500	.0317	.0292	.0540	.0398	.0000
22.500			.0306		
23.500	.0568	.0392	.0720	.0375	.0283
24.500			.0000		
25.500	.0566	.0033	.0152	.0542	.0556
26.500			.0000		
27.500	-.0507	.0000	.0355	.0079	.0501
			-.0180		

$$0(P51) = 5.3050 \quad P = 3.8650$$

MACH (5) = 1.408 PT (1) = 12.300 RN/L = 3.6950

SECTION 1 1 PANEL

y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X	-	.0008	-.3677	-.0024	-.3671	-.1034
-28,500				-.0407		
-27,500				-.0320	-.0112	-.0310
-26,500		-.0381	-.0080	-.0057		
-25,500				-.0058	-.0236	-.0217
-24,500		-.0031	-.0311			

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 108

MACH (5) = 1.400 P7 (1) = 12.380

(REXP0+)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.500	-6.5000	-.5000	6.5000	13.5000
X					
-23.500			.0024		
-22.500	-.3580	-.0020	-.0056	-.0014	.0113
-21.500			-.0316		
-20.500	-.1214	.0084	-.0032	-.3240	-.2739
-19.500			.0137		
-18.500	-.0073	-.0105	-.0001	-.1125	-.1092
-17.500			-.0031		
-16.500	-.0369	.0023	-.0334	-.0017	-.0059
-15.500			-.0011		
-14.500	-.0037	-.0383	.0102	-.0390	-.0357
-13.500			.0001		
-12.500	-.3701	-.0069	-.0040	-.0007	.0034
-11.500			-.0348		
-10.500	.0000	.0095	-.0039	-.3683	-.3418
-9.500			.0130		
-8.500	-.0005	-.0087	-.0084	-.1120	-.1092
-7.500			.0033		
-6.500	-.0381	-.0089	-.0341	-.0019	.0023
-5.500			.0012		
-4.500	.0011	-.0310	.0080	.0018	-.0317
-3.500			-.0051		
-2.500	-.3781	-.0050	-.0035	-.0251	-.0040
-1.500			-.0383		
.500	-.1128	.0056	.0010	-.0032	-.3560
1.500			.0097		
2.500	-.0047	-.0036	-.0068	.0095	-.1090
3.500			-.0049		
4.500	-.0367	-.0133	-.0374	-.0068	-.0001
5.500			.0120		
6.500	-.0019	-.0421	.0053	-.0052	-.0357
7.500			-.0068		
8.500	-.3698	-.0097	-.0061	-.0265	.0013
9.500			-.0316		
10.500	-.1128	-.0010	-.0027	-.0036	-.3574
11.500			.0053		
12.500	-.0040	-.0109	-.0050	.0086	-.1135
13.500			-.0026		
14.500	-.0371	-.0075	-.0416	-.0010	-.0042
15.500			.0017		
16.500	-.0047	-.0388	.0078	-.0099	-.0340
17.500			-.0050		
18.500	-.3698	-.0013	-.0059	-.0318	-.0019
19.500			-.0272		
20.500	-.1128	.0249	.0075	.0005	-.3668
			.0339		

(REXP04)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
 AMES 11-97-010 OS8A,B PA3 + BRA + B31

MACH (5) = 1.400 PT (1) = 12.300
 SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
21.500	.0041	.0298	.0277	.0189	.0000
22.500			.0637		
23.500	-.0371	.0492	.0000	.0131	-.0039
24.500			.0297		
25.500	.0162	-.0196	.0000	.0141	-.0421
26.500			-.0444		
27.500	-.3237	.0000	-.0329	-.0757	-.0019

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(REXP05) (21 JAN 77)

TABULATED SOURCE DATA - 058
AMES 11-97-010 058A.8 PA3 + BRA + B02

PARAMETRIC DATA

PT = 12.280
P = 9.6420

MACH (1) = .598 PT (1) = 12.270 RV/L = 2.8940 Q(PSI) = 2.4100

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.5000	-6.5000	-5.000	6.5000	13.5000
-28.500	-.0081	-.0079	-.0122	-.0083	-.0256
-27.500	-.0009	-.0110	-.0011	-.0158	-.0409
-26.500	-.0147	-.0094	-.0086	-.0317	-.0201
-24.500	-.0083	-.0070	-.0070	-.0107	-.0102
-23.500	-.0083	-.0109	-.0096	-.0162	-.0113
-21.500	-.0158	-.0131	-.0085	-.0139	-.0134
-19.500	-.0029	-.0095	-.0084	-.0117	-.0097
-18.500	-.0178	-.0130	-.0045	-.0312	-.0262
-16.500	-.0113	-.0111	-.0058	-.0127	-.0066
-15.500	.0000	-.0114	-.0091	-.0210	-.0098
-14.500	-.0076	-.0111	-.0085	-.0169	-.0072
-13.500	-.0287	-.0074	-.0136	-.0127	-.0056
-12.500	-.0096	-.0053	-.0125	.0003	-.0307
-11.500	-.0147	-.0045	-.0138	-.0053	-.0117
-10.500	-.0088	-.0055	-.0033	-.0019	-.0093
-9.500	-.0050	-.0060	-.0074	-.0002	-.0098
-8.500	-.0257	-.0089	-.0074	-.0085	-.0020
-7.500	-.0081	-.0089	-.0081	-.0053	-.0343
-6.500	-.0103	-.0035	-.0055	-.0094	-.0025
-5.500	-.0088	-.0080	-.0053	-.0055	-.0093
-4.500	-.0076	-.0024	-.0070	-.0065	-.0088
-3.500					
-2.500					
-1.500					
.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

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AMES 11-97-010 OSBA.B PA3 + BRA + BQ2

(REXP05)

MACH (1) = .598 PT (1) = 12.270

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500
	-.0302	-.0007	-.0084	-.0019	-.0031	-.0017	-.0043	-.0030	-.0065	-.0197	-.0145	-.0000	-.0259	-.0000	-.0085	-.0056
	.0008	-.0014	-.0030	-.0033	-.0343	-.0051	-.0035	-.0088	-.0055	-.0019	-.0050	-.0038	-.0083	-.0137		

MACH (2) = .801 PT (1) = 12.280 RN/L = 3.3900

01PS1) = 3.6160

P = 8.0500

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500
	-.0035	-.0441	-.0134	-.0109	-.0100	-.0077	-.0081	-.0086	-.0070	-.0045	-.0126	-.0140	-.0118	-.0110	-.0093	-.0112	-.0147	-.0145	-.0113	-.0047	.0021
	-.0363	-.0245	-.0155	-.0394	-.0109	-.0195	-.0099	-.0116	-.0479	-.0462	-.0081	.0013	.0013	-.0109	-.0133	.0027	-.0038	-.0374	-.0117		

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A,B PA3 + BRA + B02

(REXP05)

MACH (2) = .801 PT (1) = 12.280

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-7.500	-.0109	-.0153	-.0109	-.0028	.0016
-6.500			-.0063		
-5.500	-.0062	-.0110	-.0103	-.0009	-.0068
-4.500			-.0114		
-3.500	-.0395	-.0104	-.0061	-.0025	-.0024
-2.500			-.0080		
-1.500	-.0098	-.0107	-.0033	-.0002	-.0363
-.500			-.0038		
1.500	-.0066	-.0059	-.0110	-.0005	-.0003
2.500			-.0033		
3.500	-.0106	-.0091	-.0005	-.0083	-.0008
4.500			-.0029		
5.500	-.0068	-.0103	-.0004	-.0095	-.0099
6.500			-.0118		
7.500	-.0420	-.0097	-.0023	-.0103	-.0010
8.500			-.0015		
9.500	-.0095	-.0116	-.0008	-.0060	-.0367
10.500			-.0012		
11.500	-.0015	-.0015	-.0110	-.0061	-.0013
12.500			-.0067		
13.500	-.0106	.0015	-.0110	-.0090	-.0032
14.500			-.0053		
15.500	-.0010	.0002	-.0090	-.0020	-.0113
16.500			-.0114		
17.500	-.0416	.0001	-.0011	-.0009	-.0038
18.500			-.0002		
19.500	-.0098	-.0012	-.0036	-.0029	-.0363
20.500			-.0051		
21.500	-.0011	.0016	-.0192	-.0067	.0000
22.500			-.0150		
23.500	-.0109	-.0061	.0000	-.0090	-.0066
24.500			-.0302		
25.500	-.0045	-.0131	.0000	-.0081	-.0113
26.500			-.0155		
27.500	-.0374	.0000	-.0102	-.0105	-.0191

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

(REXP051)

AMES 11-97-010 OS8A.B PA3 + BRA + B62

P = 7.2740

Q(PS1) = 4.1110

RV/L = 3.5320

PT

.898

MACH (3) =

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.0089	-.0398	-.0116	-.0392	-.0236
-27.500	-.0074	-.0110	-.0074	-.0086	-.0359
-26.500	-.0127	-.0045	-.0060	-.0116	-.0155
-25.500	-.0401	-.0031	-.0047	-.0055	-.0082
-24.500	-.0167	-.0034	-.0071	-.0461	-.0425
-23.500	-.0098	-.0083	-.0059	-.0077	-.0127
-22.500	-.0074	-.0021	-.0016	-.0017	-.0062
-21.500	-.0055	-.0048	-.0020	-.0092	-.0107
-20.500	-.0428	-.0016	-.0115	-.0100	-.0007
-19.500	.0000	-.0006	-.0121	-.0507	-.0407
-18.500	-.0095	-.0068	-.0076	-.0106	-.0076
-17.500	-.0077	.0000	-.0050	-.0020	-.0023
-16.500	-.0082	.0025	-.0096	.0018	-.0092
-15.500	-.0446	.0013	-.0100	-.0001	-.0052
-14.500	-.0167	-.0003	-.0109	.0034	-.0398
-13.500	-.0110	-.0109	-.0094	.0071	-.0073
-12.500	-.0077	-.0127	-.0039	.0009	-.0020
-11.500	-.0094	-.0109	-.0031	.0030	-.0107
-10.500	-.0431	-.0107	-.0118	.0025	-.0025
-9.500	-.0130	-.0105	-.0027	.0034	-.0395
-8.500	-.0065	-.0157	-.0026	.0048	-.0052
-7.500	-.0074	-.0107	-.0032	.0006	-.0023
-6.500	-.0079	-.0094	-.0003	.0005	-.0074
-5.500					
-4.500					
-3.500					
-2.500					
-1.500					
-.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					

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DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

(REXP05)

AMES 11-97-010 OS8A.B PA3 + BRA + BG2

MACH (3) = .899 PT (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500
	.0050	.0053	.0052	.0005	.0017	.0171	.0031	.0000	.0101	.0000	.0228	.0000
	-.0431	-.0057	-.0121	-.0028	-.0074	-.0065	-.0170	-.0133	-.0142	-.0225	-.0230	-.0480
	.0011	-.0049	-.0007	-.0398	-.0031	-.0047	-.0113	-.0056	-.0077	-.0219	-.0188	-.0219

MACH (4) = 1.206 PT (1) = 12.290 RM/L = 3.7700 Q(P51) = 5.1200 P = 5.0250

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500	-7.500	-6.500	-5.500	-4.500															
	.0143	-.0988	.0266	.0175	.0118	.0092	.0146	.0228	.0073	-.0084	.0098	.0179	.0110	.0020	.0105	.0231	.0104	-.0045	.0143	.0056	.0124	.0174	.0104	.0103																
	.0066	-.0957	-.0337	.0477	.0071	.0046	.0304	.0163	.0272	.0055	.0162	.0058	.0145	.0078	.0148	.0290	.0052	-.0292	-.0202	.0111	.0051	.0102	.0080	.0215	.0050	.0088	.0054	.0085	.0125	.0139	.0013	.0060	.0226	.0086	.0113	.0035	.0124	.0174	.0104	.0103

(REXP081

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
AMES 11-97-010 OS8A.B PA3 + BRA + B02

MACH (4) = 1.206 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-3.500			.0011		
-2.500	-.0983	.0043	.0029	.0040	.0045
-1.500			.0053		
-.500	-.0317	.0126	.0050	.0052	-.0978
.500			.0126		
1.500	.0039	-.0055	-.0125	.0151	-.0375
2.500			-.0029		
3.500	.0050	-.0079	-.0082	-.0108	.0063
4.500			-.0068		
5.500	.0045	-.0137	.0087	-.0031	.0110
6.500			-.0150		
7.500	-.1066	-.0065	-.0012	-.0070	.0057
8.500			-.0018		
9.500	-.0320	.0049	.0009	-.0010	-.1035
10.500			.0096		
11.500	-.0012	-.0138	-.0072	.0124	-.0388
12.500			.0053		
13.500	.0039	.0027	-.0039	-.0028	.0015
14.500			.0156		
15.500	.0043	.0049	.0294	.0027	.0005
16.500			.0178		
17.500	-.0937	.0302	.0326	.0116	.0142
18.500			.0398		
19.500	-.0149	.0500	.0554	.0340	-.1032
20.500			.0708		
21.500	.0414	.0528	.0596	.0487	.0000
22.500			.0724		
23.500	.0641	.0439	.0000	.0515	.0447
24.500			.0230		
25.500	.0574	-.0022	.0000	.0535	.0472
26.500			-.0104		
27.500	-.0883	.0000	-.0046	.0184	.0397

MACH (5) = 1.269 PT (1) = 12.290 RN/L = 3.7900 01PS1) = 5.2140 P = 4.6220

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-28.500			-.0024	-.1146	-.0129
-27.500	.0002	-.1406	.0199		
-26.500	.0199	-.0050	-.0060	-.0074	-.0363
-25.500			-.0022		
-24.500	-.0004	.0132	.0161	-.0104	-.0089

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DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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MACH (5) = 1.269 PT (1) = 12.290

(REXP05)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-23.500			.0106		
-22.500		.0235	.0170	.0163	.0133
-21.500			.0221		
-20.500		.0462	.0319	-.0944	-.1149
-19.500			.0532		
-18.500		.0322	.0386	.0330	.0170
-17.500			.0505		
-16.500		.0528	.0549	.0521	.0415
-15.500			.0557		
-14.500		.0465	.0504	.0409	.0366
-13.500			.0393		
-12.500		.0487	.0497	.0534	.0541
-11.500			.0497		
-10.500		.0000	.0574	-.0871	-.1126
-9.500			.0579		
-8.500		.0407	.0249	.0356	.0403
-7.500			.0424		
-6.500		.0206	.0358	.0415	.0479
-5.500			.0421		
-4.500		.0376	.0389	.0415	.0318
-3.500			.0319		
-2.500		-.1027	.0327	.0378	.0371
-1.500			.0336		
-.500		.0215	.0400	.0360	-.0926
.500			.0427		
1.500		.0289	.0158	.0445	.0330
2.500			.0265		
3.500		.0209	.0192	.0139	.0334
4.500			.0235		
5.500		.0267	.0214	.0242	.0156
6.500			.0257		
7.500		-.1126	.0190	.0233	.0300
8.500			.0194		
9.500		.0134	.0261	.0216	-.1045
10.500			.0199		
11.500		.0213	.0015	.0311	.0162
12.500			.0282		
13.500		.0213	.0156	.0089	.0189
14.500			.0215		
15.500		.0189	.0216	.0149	.0042
16.500			.0355		
17.500		-.1175	.0310	.0247	.0206
18.500			.0168		
19.500		.0182	.0552	.0427	
20.500			.0461	.0294	-.1144
			.0670		

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 115

AMES 11-97-010 OS8A.B PA3 + BRA + BG2

(REXP05)

MACH (5) = 1.269 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
21.500	.0313	.0335	.0422	.0449	.0000
22.500			.0694		
23.500	.0149	.0301	.0000	.0228	.0249
24.500			.0131		
25.500	.0447	-.0043	.0000	.0334	.0197
26.500			-.0234		
27.500	-.0905	.0000	-.0023	.0165	.0378

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AMES 11-97-010 058A,B PA1

(REXP06.) (21 JAN 77)

PARAMETRIC DATA

PT - 12.280
P - 3.6370

Q(PSI) = 2.4380 P = 3.6370

2

MACH (1) = .501 PT (1) = 12.300 RN/L = 2.8670

SECTION (1)

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
---	----------	---------	---------	--------	---------

X	.0023	-.0056	-.0006	.0010	-.0154
-28.500	-.0111				.0039
-27.500	-.0010				.0015
-24.500	-.0043				.0026
-22.500	.0090				.0048
-20.500	-.0026				1.0030
-18.500	-.0010				-.0046
-16.500	.0041				-.0020
-14.500	.0000				.0005
-12.500	-.0039				.0018
-10.500	.0024				.0055
-8.500	.0025				.0004
-6.500	.0031				.0035
-4.500	-.0004				-.0015
-2.500	-.0015				.0013
-.500	-.0016				-.0020
1.500	.0020				.0034
3.500	.0015				.0010
5.500	-.0017				.0031
7.500	.0020				.0005
9.500	.0019				.0040
11.500	-.0015				-.0006
13.500	.0031				.0005
15.500	-.0004				.0031
17.500	.0020				.0005
19.500	.0009				.0000
21.500	.0005				.0039
23.500	.0000				.0000
25.500	.0039	.0000	.0000	-.0124	-.0010
27.500					

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

(REXP06)

AMES 11-97-010 OS8A,B PA1

MACH (2) = .799 PT (1) = 12.300 RN/L = 3.3498 Q(PS1) = 3.6100 P = 8.0750

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0102 -.0387 .0003 -.0333 -.0153
-27.500 -.0033
-26.500 -.0074
-24.500 -.0384
-22.500 -.0448
-20.500 -.0028
-18.500 -.0030
-16.500 -.0043
-14.500 -.0308
-12.500 -.0036
-10.500 -.0030
-8.500 -.0023
-6.500 -.0033
-4.500 -.0352
-2.500 -.0048
.500 -.0041
1.500 -.0010
3.500 -.0003
5.500 -.0396
7.500 -.0042
9.500 -.0028
11.500 -.0061
13.500 -.0011
15.500 -.0398
17.500 -.0015
19.500 -.0006
21.500 -.0003
23.500 .0000
25.500 .0000
27.500 .0000 .0000 -.0150 -.0052

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MACH (3) = .900 PT (1) = 12.300 RN/L = 3.5030 Q(PS1) = 4.1240 P = 7.2690

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0078 -.0394 .0024 -.0402 -.0182
-27.500 -.0059
-26.500 -.0017
-24.500 -.0394
-22.500 -.0008
-20.500 -.0304
-18.500 -.0047

AMES 11-97-010 OS8A.8 PAI

(REXP06)

MACH (3) = .900 PT (1) = 12.300

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-16.500 -.0053
-14.500 .0035
-12.500 -.0375
-10.500 -.0099
-8.500 -.0009
-6.500 -.0056
-4.500 -.0022
-2.500 -.0381
-.500 -.0067
1.500 -.0056
3.500 -.0026
5.500 -.0034
7.500 -.0443
9.500 -.0028
11.500 .0015
13.500 -.0038
15.500 -.0019
17.500 -.0391
19.500 .0004
21.500 .0015
23.500 .0018
25.500 .0000
27.500 -.0348

-.0047
-.0023
-.0001
-.0381
-.0996
-.0014
-.0013
-.0034
-.0419
-.0019
-.0048
-.0008
-.0001
-.0408
-.0013
-.0032
-.0059
-.0010
-.0405
-.0000
-.0039
-.0053
-.0076

MACH (4) = 1.204

PT (1) = 12.250

RN/L = 3.7330

Q(PSI) = 5.1170

P = 5.0440

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0046
-27.500 -.0101
-26.500 .0122
-24.500 -.0335
-22.500 -.1111
-20.500 -.0068
-18.500 -.0099
-16.500 .0002
-14.500 -.0209
-12.500 -.1458
-10.500 -.0039
-8.500 -.0101
-6.500 -.0020
-4.500

-.0080
-.0243
-.1567
-.0021
-.0017
-.0017
-.0143
1.3080
-.0051
-.0020
-.0022
-.0285
-.0481
-.0029
-.0005

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 121

(REXP86)

AVES 11-97-010 OS8A,B PA1

MACH (4) = 1.204 PT (1) = 12.290

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-2.500 -.0218
-5.000 -.1477
1.500 -.0039
3.500 -.0012
5.500 -.0088
7.500 -.0286
9.500 -.1433
11.500 .0012
13.500 -.0034
15.500 -.0022
17.500 -.0233
19.500 -.1422
21.500 .0014
23.500 .0026
25.500 .0000
27.500 -.0260 .0000 .0000 -.1570 -.0097

MACH (5) = 1.402 PT (1) = 12.290 RN/L = 3.6460 Q(PS1) = 5.3010 P = 3.8510

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0081 -.1129 -.0008 -.1120 -.3466
-27.500 .0124
-26.500 .0334
-24.500 -.1127
-22.500 -.3334
-20.500 -.0006
-18.500 -.0001
-16.500 .0048
-14.500 -.1045
-12.500 .3523
-10.500 -.0029
-8.500 .0046
-6.500 .0037
-4.500 -.1043
-2.500 .3021
1.500 -.0055
3.500 -.0024
5.500 -.0033
7.500 -.1155
9.500 -.3550

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TABULATED SOURCE DATA - OS8

PAGE 122

AMES 11-97-010 OS8A,B PA1

REXP061

MACH (5) = 1.402 PT (1) = 12.290

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	11.500	-.0010	-.3009
	13.500	-.0010	-.0020
	15.500	-.0035	-.0056
	17.500	-.1155	.0002
	19.500	-.3953	-.1125
	21.500	.0018	.0000
	23.500	.0050	-.0010
	25.500	.0900	-.0058
	27.500	-.1089	-.0056
		.0000	-.3574
		.0000	.0000

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 123

AMES 11-97-010 OS8A.B PA1 + B61

(REXP07) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280

P = 9.6370

MACH (1) = .500 PT (1) = 12.290 RN/L = 2.8480 Q(PS1) = 2.4260

SECTION (1) I DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0017 -.0125 -.0079 -.0037 -.0242
-27.500 -.0846 -.0041
-26.500 -.0005
-24.500 -.0125
-22.500 -.0766
-20.500 -.0079
-18.500 -.0046
-16.500 -.0020
-14.500 -.0068
-12.500 -.0046
-10.500 -.0054
-8.500 -.0041
-6.500 -.0025
-4.500 -.0086
-2.500 -.0057
1.500 -.0064
3.500 -.0041
5.500 .0005
7.500 -.0103
9.500 -.0036
11.500 -.0034
13.500 -.0046
15.500 .0015
17.500 -.0086
19.500 -.0031
21.500 -.0013
23.500 -.0036
25.500 .0000
27.500 -.0011
 .0000 .0000 -.0122 -.0046 -.0051

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TABULATED SOURCE DATA - OS8

PAGE 124

AMES 11-97-010 OS8A,B PA1 + B61

(REXP07)

MACH (2) = .802 PT (1) = 12.300 RN/L = 3.3380 Q(PS1) = 3.6230 P = 8.0550

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-28.500	-.0026	-.0133	-.0056	-.0070	-.0124
-27.500						
-26.500		-.0044				.0036
-24.500		.0002				.0006
-22.500		-.0121				.0019
-20.500		.0618				.0010
-18.500		-.0063				1.3380
-16.500		-.0048				-.0043
-14.500		-.0028				-.0041
-12.500		-.0085				-.0028
-10.500		.0047				-.0053
-8.500		-.0032				.1032
-6.500		-.0048				-.0019
-4.500		-.0035				-.0021
-2.500		-.0085				-.0039
1.500		-.0077				-.0070
3.500		-.0060				.0003
5.500		-.0044				-.0012
7.500		-.0042				-.0054
9.500		-.0121				-.0032
11.500		-.0051				-.0061
13.500		-.0015				.0000
15.500		-.0048				-.0002
17.500		-.0032				-.0048
19.500		-.0079				.0016
21.500		-.0027				-.0064
23.500		-.0002				.0000
25.500		-.0037				.0005
27.500		.0000				-.0048
		-.0035	.0000	.0000	-.0071	-.0018

MACH (3) = .902 PT (1) = 12.300 RN/L = 3.5050 Q(PS1) = 4.1300 P = 7.2608

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-28.500	-.0032	-.0555	-.0065	-.0502	-.1086
-27.500				-.0071		
-26.500		-.0091				-.0050
-24.500		-.0013				-.0059
-22.500		-.0557				-.0054
-20.500		-.0368				-.0488
-18.500		-.0098				1.4230

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 125

AMES 11-97-010 OS8A,B PA1 + B01

(REXP07)

MACH (3) = .902 PT (1) = 12.300

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-16.500	-.0089	-.0044
	-14.500	-.0063	-.0036
	-12.500	-.0541	-.0025
	-10.500	-.0302	-.0483
	-8.500	-.0069	.0969
	-6.500	-.0080	-.0017
	-4.500	-.0066	-.0006
	-2.500	-.0533	-.0039
	-.500	-.0362	-.0505
	1.500	-.0053	-.0777
	3.500	-.0088	-.0008
	5.500	-.0033	-.0044
	7.500	-.0541	-.0033
	9.500	-.0952	-.0499
	11.500	-.0050	-.0925
	13.500	-.0089	-.0044
	15.500	-.0033	-.0071
	17.500	-.0513	-.0028
	19.500	-.0976	-.0502
	21.500	-.0050	.0000
	23.500	-.0083	-.0026
	25.500	.0000	-.0071
	27.500	-.0510	-.0072

MACH (4) = 1.206 PT (1) = 12.300 RN/L = 3.7260 Q(PSI) = 5.1240 P = 5.0300

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0274	.0216	.0245	-.0066	-.1408
	-27.500	.0325	.0323			
	-26.500	.0381				.0344
	-25.500	.0216				.0363
	-24.500	-.1338				.0325
	-23.500	.0077				.0320
	-22.500	.0218				1.5420
	-21.500	.0131				.0101
	-20.500	.0096				.0118
	-19.500	-.1518				.0071
	-18.500	.0057				.0218
	-17.500	.0166				.3188
	-16.500	.0050				.0069
	-15.500					.0125

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TABULATED SOURCE DATA - 058

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MACH (4) = 1.206 PT (1) = 12.300

(REXP07)

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-2.500	.0602	.0043
	-.500	-.1644	.0050
	1.500	-.0053	-.0953
	3.500	.0026	.0041
	5.500	-.0015	.0037
	7.500	-.0076	.0009
	9.500	-.1709	.0021
	11.500	-.0061	-.1616
	13.500	-.0036	-.0114
	15.500	-.0082	-.0072
	17.500	-.0112	-.0060
	19.500	-.1784	.0007
	21.500	-.0061	.0000
	23.500	.0139	-.0049
	25.500	.0000	-.0077
	27.500	.0071	.0014

MACH (5) = 1.481 PT (1) = 12.300 RN/L = 3.6350 Q(PSI) = 5.3050 P = 3.8610

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0020	-.0934	-.0031	-.0687	-.9250
	-27.500	.0194	.0191			.0118
	-26.500	.0281				.0162
	-25.500	-.0936				.0108
	-24.500	-.8777				-.0686
	-23.500	-.0041				1.5310
	-22.500	.0027				-.0050
	-21.500	.0005				.0079
	-20.500	-.0887				.0038
	-19.500	.9266				-.0695
	-18.500	-.0003				1.0450
	-17.500	.0029				-.0013
	-16.500	.0017				.0116
	-15.500	-.0878				.0001
	-14.500	-.9426				-.0848
	-13.500	-.0078				-.4912
	-12.500	.0043				.0004
	-11.500	-.0020				.0070
	-10.500	-.0945				.0012
	-9.500	-.9400				-.0850

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 127

AMES 11-97-010 OS8A,B PA1 + BG1

(REXP07)

PACH (5) = 1.401

PT (1) = 12.300

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5080 -.5080 6.5800 13.5800

X

11.500 -.0015
13.500 .0047
15.500 -.0036
17.500 -.0930
19.500 -.9392
21.500 -.0013
23.500 .0064
25.500 .0000
27.500 -.0913

-.8400
-.0048
-.0009
-.0015
-.0865
-.0000
-.0022
-.0011
-.0046

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 128

AMES 11-97-010 058A.8 PA1 + B02

(REXP08) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280
P = 9.6320

MACH (1) = .600 PT (1) = 12.280 RMYL = 2.8220 Q(PS1) = 2.4260
SECTION (1) DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.0044	-.0054	-.0070	-.0028	-.0206
-27.500		-.0060			
-26.500	-.0053				-.0075
-25.500	-.0027				-.0090
-24.500	-.0054				-.0072
-20.500	1.1033				-.0019
-18.500	1.0080				1.4780
-16.500	-.0055				-.0070
-14.500	-.0011				-.0066
-12.500	-.0023				-.0067
-10.500	-.0086				-.0019
-8.500	-.0055				1.887
-6.500	-.0060				-.0039
-4.500	-.0027				-.0065
-2.500	-.0032				-.0082
-.500	-.0045				-.0032
1.500	-.0029				-.0081
3.500	-.0060				-.0006
5.500	-.0019				-.0035
7.500	-.0028				-.0027
9.500	-.0045				-.0028
11.500	-.0019				-.0025
13.500	-.0060				-.0029
15.500	-.0001				-.0060
17.500	-.0028				-.0001
19.500	-.0001				-.0028
21.500	-.0027				-.0000
23.500	-.0155				-.0029
25.500	-.0000				-.0060
27.500	-.0043	.0000	.0000	-.0065	-.0042

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 129

(REXP08)

AVES 11-97-010 OSBA,B PA1 + B02

MACH (2) = .798 PT (1) = 12.280 RN/L = 3.3080 O(PS1) = 3.5990 P = 8.0750

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
-28.500	-.0050	-.0120	-.0153	-.0025	-.0120
-27.500	-.0103	-.0005	-.0012	-.0005	-.0002
-26.500	-.0114	-.0005	-.0005	-.0005	-.0018
-25.500	-.0050	-.0005	-.0005	-.0005	-.0005
-24.500	-.0050	-.0005	-.0005	-.0005	-.0005
-23.500	-.0050	-.0005	-.0005	-.0005	-.0005
-22.500	-.0050	-.0005	-.0005	-.0005	-.0005
-21.500	-.0050	-.0005	-.0005	-.0005	-.0005
-20.500	-.0050	-.0005	-.0005	-.0005	-.0005
-19.500	-.0050	-.0005	-.0005	-.0005	-.0005
-18.500	-.0050	-.0005	-.0005	-.0005	-.0005
-17.500	-.0050	-.0005	-.0005	-.0005	-.0005
-16.500	-.0050	-.0005	-.0005	-.0005	-.0005
-15.500	-.0050	-.0005	-.0005	-.0005	-.0005
-14.500	-.0050	-.0005	-.0005	-.0005	-.0005
-13.500	-.0050	-.0005	-.0005	-.0005	-.0005
-12.500	-.0050	-.0005	-.0005	-.0005	-.0005
-11.500	-.0050	-.0005	-.0005	-.0005	-.0005
-10.500	-.0050	-.0005	-.0005	-.0005	-.0005
-9.500	-.0050	-.0005	-.0005	-.0005	-.0005
-8.500	-.0050	-.0005	-.0005	-.0005	-.0005
-7.500	-.0050	-.0005	-.0005	-.0005	-.0005
-6.500	-.0050	-.0005	-.0005	-.0005	-.0005
-5.500	-.0050	-.0005	-.0005	-.0005	-.0005
-4.500	-.0050	-.0005	-.0005	-.0005	-.0005
-3.500	-.0050	-.0005	-.0005	-.0005	-.0005
-2.500	-.0050	-.0005	-.0005	-.0005	-.0005
-1.500	-.0050	-.0005	-.0005	-.0005	-.0005
-.500	-.0050	-.0005	-.0005	-.0005	-.0005
0.500	-.0050	-.0005	-.0005	-.0005	-.0005
1.500	-.0050	-.0005	-.0005	-.0005	-.0005
2.500	-.0050	-.0005	-.0005	-.0005	-.0005
3.500	-.0050	-.0005	-.0005	-.0005	-.0005
4.500	-.0050	-.0005	-.0005	-.0005	-.0005
5.500	-.0050	-.0005	-.0005	-.0005	-.0005
6.500	-.0050	-.0005	-.0005	-.0005	-.0005
7.500	-.0050	-.0005	-.0005	-.0005	-.0005
8.500	-.0050	-.0005	-.0005	-.0005	-.0005
9.500	-.0050	-.0005	-.0005	-.0005	-.0005
10.500	-.0050	-.0005	-.0005	-.0005	-.0005
11.500	-.0050	-.0005	-.0005	-.0005	-.0005
12.500	-.0050	-.0005	-.0005	-.0005	-.0005
13.500	-.0050	-.0005	-.0005	-.0005	-.0005
14.500	-.0050	-.0005	-.0005	-.0005	-.0005
15.500	-.0050	-.0005	-.0005	-.0005	-.0005
16.500	-.0050	-.0005	-.0005	-.0005	-.0005
17.500	-.0050	-.0005	-.0005	-.0005	-.0005
18.500	-.0050	-.0005	-.0005	-.0005	-.0005
19.500	-.0050	-.0005	-.0005	-.0005	-.0005
20.500	-.0050	-.0005	-.0005	-.0005	-.0005
21.500	-.0050	-.0005	-.0005	-.0005	-.0005
22.500	-.0050	-.0005	-.0005	-.0005	-.0005
23.500	-.0050	-.0005	-.0005	-.0005	-.0005
24.500	-.0050	-.0005	-.0005	-.0005	-.0005
25.500	-.0050	-.0005	-.0005	-.0005	-.0005
26.500	-.0050	-.0005	-.0005	-.0005	-.0005
27.500	-.0050	-.0005	-.0005	-.0005	-.0005

ORIGINAL PAGE IS
OF POOR QUALITY

MACH (3) = .900 PT (1) = 12.280 RN/L = 3.4900 O(PS1) = 4.1200 P = 7.2600

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
-28.500	-.0004	-.0098	-.0109	-.0092	-.1908
-27.500	-.0071	-.0071	-.0071	-.0071	-.0085
-26.500	-.0071	-.0071	-.0071	-.0071	-.0104
-25.500	-.0071	-.0071	-.0071	-.0071	-.0093
-24.500	-.0071	-.0071	-.0071	-.0071	-.0098
-23.500	-.0071	-.0071	-.0071	-.0071	-.0098
-22.500	-.0071	-.0071	-.0071	-.0071	-.0098
-21.500	-.0071	-.0071	-.0071	-.0071	-.0098
-20.500	-.0071	-.0071	-.0071	-.0071	-.0098
-19.500	-.0071	-.0071	-.0071	-.0071	-.0098
-18.500	-.0071	-.0071	-.0071	-.0071	-.0098
-17.500	-.0071	-.0071	-.0071	-.0071	-.0098
-16.500	-.0071	-.0071	-.0071	-.0071	-.0098
-15.500	-.0071	-.0071	-.0071	-.0071	-.0098
-14.500	-.0071	-.0071	-.0071	-.0071	-.0098
-13.500	-.0071	-.0071	-.0071	-.0071	-.0098
-12.500	-.0071	-.0071	-.0071	-.0071	-.0098
-11.500	-.0071	-.0071	-.0071	-.0071	-.0098
-10.500	-.0071	-.0071	-.0071	-.0071	-.0098
-9.500	-.0071	-.0071	-.0071	-.0071	-.0098
-8.500	-.0071	-.0071	-.0071	-.0071	-.0098
-7.500	-.0071	-.0071	-.0071	-.0071	-.0098
-6.500	-.0071	-.0071	-.0071	-.0071	-.0098
-5.500	-.0071	-.0071	-.0071	-.0071	-.0098
-4.500	-.0071	-.0071	-.0071	-.0071	-.0098
-3.500	-.0071	-.0071	-.0071	-.0071	-.0098
-2.500	-.0071	-.0071	-.0071	-.0071	-.0098
-1.500	-.0071	-.0071	-.0071	-.0071	-.0098
-.500	-.0071	-.0071	-.0071	-.0071	-.0098
0.500	-.0071	-.0071	-.0071	-.0071	-.0098
1.500	-.0071	-.0071	-.0071	-.0071	-.0098
2.500	-.0071	-.0071	-.0071	-.0071	-.0098
3.500	-.0071	-.0071	-.0071	-.0071	-.0098
4.500	-.0071	-.0071	-.0071	-.0071	-.0098
5.500	-.0071	-.0071	-.0071	-.0071	-.0098
6.500	-.0071	-.0071	-.0071	-.0071	-.0098
7.500	-.0071	-.0071	-.0071	-.0071	-.0098
8.500	-.0071	-.0071	-.0071	-.0071	-.0098
9.500	-.0071	-.0071	-.0071	-.0071	-.0098
10.500	-.0071	-.0071	-.0071	-.0071	-.0098
11.500	-.0071	-.0071	-.0071	-.0071	-.0098
12.500	-.0071	-.0071	-.0071	-.0071	-.0098
13.500	-.0071	-.0071	-.0071	-.0071	-.0098
14.500	-.0071	-.0071	-.0071	-.0071	-.0098
15.500	-.0071	-.0071	-.0071	-.0071	-.0098
16.500	-.0071	-.0071	-.0071	-.0071	-.0098
17.500	-.0071	-.0071	-.0071	-.0071	-.0098
18.500	-.0071	-.0071	-.0071	-.0071	-.0098
19.500	-.0071	-.0071	-.0071	-.0071	-.0098
20.500	-.0071	-.0071	-.0071	-.0071	-.0098
21.500	-.0071	-.0071	-.0071	-.0071	-.0098
22.500	-.0071	-.0071	-.0071	-.0071	-.0098
23.500	-.0071	-.0071	-.0071	-.0071	-.0098
24.500	-.0071	-.0071	-.0071	-.0071	-.0098
25.500	-.0071	-.0071	-.0071	-.0071	-.0098
26.500	-.0071	-.0071	-.0071	-.0071	-.0098
27.500	-.0071	-.0071	-.0071	-.0071	-.0098

(REXP08)

DATE 22 JAN 77 TABULATED SOURCE DATA - 05B

AVES 11-97-010 059A,B PA1 + 802

MACH (3) = .900 PT (1) = 12.280

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X				
-16.500	-.0074			-.0127
-14.500	-.0036			-.0110
-12.500	-.0061			-.0096
-10.500	-.1630			-.0111
-8.500	-.0049			.4287
-6.500	-.0065			-.0082
-4.500	-.0033			-.0080
-2.500	-.0061			-.0084
-.500	-.1720			-.0105
1.500	-.0061			-.0924
3.500	-.0069			-.0040
5.500	-.0051			-.0066
7.500	-.0059			-.0060
9.500	-.1791			-.0103
11.500	-.0061			-.1686
13.500	-.0066			-.0005
15.500	-.0051			-.0074
17.500	-.0103			-.0072
19.500	-.1791			-.0095
21.500	-.0073			-.0000
23.500	-.0069			-.0019
25.500	-.0000			-.0066
27.500	-.0118	.0000	.0000	-.1776
				-.0060

MACH (4) = 1.204 PT (1) = 12.280 RN/L = 3.6710 Q(PS1) = 5.1120 P = 5.0350

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X				
-28.500	.0162	-.0492	.0094	-.2673
-27.500			.0210	
-26.500	.0214			.0203
-24.500	.0290			.0205
-22.500	-.0489			.0227
-20.500	-.1954			.0271
-18.500	.0109			.1510
-16.500	.0217			.0138
-14.500	.0170			.0162
-12.500	-.0434			.0165
-10.500	-.2512			-.0282
-8.500	.0109			1.2350
-6.500	.0219			.0101
-4.500	.0105			.0114

(REXP08)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.B PA1 + BG2

MACH (4) = 1.204 PT (1) = 12.280

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	Y	CP
-2.500	-13.5000	.0069
-1.500	-13.5000	-.0430
1.500	-13.5000	.0803
3.500	-13.5000	.0058
5.500	-13.5000	.0030
7.500	-13.5000	.0028
9.500	-13.5000	-.0509
11.500	-13.5000	-.1991
13.500	-13.5000	-.0048
15.500	-13.5000	.0032
17.500	-13.5000	.0031
19.500	-13.5000	-.0507
21.500	-13.5000	.0000
23.500	-13.5000	.0104
25.500	-13.5000	.0032
27.500	-13.5000	.0230

MACH (5) = 1.284 PT (1) = 12.280 RV/L 3.6280 Q(PSI) = 5.2280 P = 4.5340

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	Y	CP
-28.500	-13.5000	.0002
-27.500	-13.5000	-.1479
-26.500	-13.5000	-.0054
-25.500	-13.5000	.0083
-24.500	-13.5000	.0083
-23.500	-13.5000	.0109
-22.500	-13.5000	-.1488
-21.500	-13.5000	-.43950
-20.500	-13.5000	-.0056
-19.500	-13.5000	-.0029
-18.500	-13.5000	.0079
-17.500	-13.5000	.01230
-16.500	-13.5000	-.6100
-15.500	-13.5000	.0475
-14.500	-13.5000	.0477
-13.500	-13.5000	.0457
-12.500	-13.5000	-.1035
-11.500	-13.5000	-.45000
-10.500	-13.5000	.0318
-9.500	-13.5000	.0348
-8.500	-13.5000	.0321
-7.500	-13.5000	-.1114
-6.500	-13.5000	-.44340

ORIGINAL PAGE IS
DRAWN FOR QUALITY
OR PWR QUALITY

(REXPDB)

TABULATED SOURCE DATA - 058

AMES 11-97-010 058A.B PA1 + B62

MACH (5) = 1.284 PT (1) = 12.280

SECTION () :

DEPENDENT VARIABLE CP

Y
-13.5000 -6.5000 -.5000 6.5000 13.5000

X	11.500	.0266	-3.9520
	13.500	.0217	.0243
	15.500	.0196	.0355
	17.500	-.1203	.0229
	19.500	-4.4500	-1.021
	21.500	.0165	.0000
	23.500	.0123	.0146
	25.500	.0000	.0060
	27.500	-.1499	-.0011
		.0000	-4.4900

AMES 11-97-010 OS8A.B SF1 + PA3 + BLB

(REXP11) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280
P = 6.9300

P. = 6.9300

$$Q(PSI) = 4.3060$$

RN/L = 3.5920

MACH 11 - 042
 PT

—

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X

X	-28.500	-.8293	-.8168	-.8086	-.8048	-.8010
-27.500				-.5038		
-26.500		-.6960	-.7395	-.7595	-.7449	-.6800
-25.500				-.7326		
-24.500		-.6313	-.6945	-.6695	-.6806	-.6880
-23.500				-.6147		
-22.500		-.5937	-.6067	-.5488	-.6231	-.6029
-21.500				-.4627		
-20.500		-.4933	-.4369	-.3707	-.4316	-.4651
-19.500				-.2900		
-18.500		-.3421	-.2371	-.2150	-.2351	-.3410
-17.500				-.1587		
-16.500		-.1816	-.1210	-.1142	-.1219	-.1833
-15.500				-.0719		
-14.500		-.0563	-.0456	-.0316	-.0511	-.0808
-13.500				-.0052		
-12.500		.0159	.0148	.0189	.0094	-.0071
-11.500				.0351		
-10.500		.0374	.0523	.0552	.0463	.0352
-9.500				.0694		
-8.500		.0690	.0766	.0808	.0741	.0559
-7.500				.0852		
-6.500		.0688	.0809	.0855	.0840	.0768
-5.500				.0906		
-4.500		.0748	.0795	.0740	.0844	
-3.500				.0854		
-2.500		.0633	.0726	.0821	.0729	.0691
-1.500				.0709		
-.500		.0587	.0583	.0709	.0686	.0614
1.500				.0623		
1.500		.0478	.0555	.0553	.0614	.0573
2.500				.0540		
3.500		.0334	.0366	.0491	.0499	.0521
4.500				.0396		
5.500		.0262	.0277	.0335	.0400	.0363
6.500				.0269		
7.500		.0185	.0236	.0303	.0348	-.0150
8.500				.0343		
9.500		.0209	.0066	.0276	.0319	.0247
10.500				.0123		
11.500		.0159	.0138	.0255	.0297	.0297

**ORIGINAL PAGE IS
OF POOR QUALITY**

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 134

AMES 11-97-010 058A.8 SF1 + PA3 + BLB

(REXP11)

MACH (1) = .942 PT (1) = 12.280

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

12.500	.0206	.0277	.0188
13.500	.0006	.0051	.0076
14.500	.0190		.0190
15.500	.0023	-.0018	.0089
16.500	.0184		.0184
17.500	-.0073	-.0038	.0106
18.500			.0088
19.500	-.0078	-.0065	.0008
20.500			-.0808
21.500	-.0125	-.0186	-.0274
22.500			-.0043
23.500	-.0186	-.0163	.0067
24.500			-.0080
25.500	-.0182	-.0171	-.0082
26.500			-.0035
27.500	-.0178	-.0183	-.0096

MACH (2) = .981 PT (1) = 12.280 RV/L = 3.8100 O(PS1) = 4.4680 P = 6.6368

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.7501	-.7489	-.7426	-.7329	-.7208
-27.500			-.4511		
-26.500	-.6250	-.6718	-.6836	-.6727	-.6205
-25.500			-.6782		
-24.500	-.5725	-.6399	-.6189	-.6310	-.6330
-23.500			-.5635		
-22.500	-.5471	-.5664	-.5881	-.5659	-.5667
-21.500			-.5087		
-20.500	-.5065	-.5040	-.4886	-.5198	-.5187
-19.500			-.4618		
-18.500	-.4746	-.4401	-.4239	-.4457	-.4983
-17.500			-.3942		
-16.500	-.4235	-.3718	-.3568	-.3786	-.4680
-15.500			-.3122		
-14.500	-.3194	-.2567	-.2621	-.2913	-.3778
-13.500			-.1845		
-12.500	-.2132	-.1154	-.1160	-.1092	-.1642
-11.500			-.0583		
-10.500	-.0775	-.0066	-.0095	.0034	-.0106
-9.500			.0256		
-8.500	.0215	.0563	.0538	.0636	.0515

(REXP11)

TABULATED SOURCE DATA - OS8

APES 11-97-010 OS8A.B SF1 + PA3 + BLB

DATE 22 JAN 77

MACH (2) = .981 PT (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-7.500	-6.500	-5.000	6.5000	13.5000
-7.500	.0688	.0816	.0744	.0923	.0959
-6.500			.0861		
-5.500			.0951		
-4.500	.0949	.0969	.0970	.1125	.1105
-3.500			.1136		
-2.500	.0977	.1007	.1111	.1117	.1084
-1.500			.1084		
-.500	.0984	.0956	.1062	.1117	.1038
.500			.1014		
1.500	.0912	.0966	.0975	.1047	.1009
2.500			.0965		
3.500	.0804	.0813	.0900	.0944	.0939
4.500			.0789		
5.500	.0713	.0704	.0722	.0824	.0802
6.500			.0689		
7.500	.0578	.0590	.0689	.0721	-.0135
8.500			.0702		
9.500	.0546	.0405	.0593	.0639	.0591
10.500			.0457		
11.500	.0467	.0445	.0563	.0587	.0611
12.500			.0532		
13.500	.0328	.0347	.0374	.0525	.0431
14.500			.0444		
15.500	.0314	.0248	.0322	.0359	.0344
16.500			.0377		
17.500	.0200	.0176	.0317	.0411	.0000
18.500			.0283		
19.500	.0135	.0107	.0170	.0217	-.2574
20.500			.0173		
21.500	.0027	-.0007	-.0065	.0096	.0118
22.500			.0118		
23.500	-.0022	.0016	.0092	.0081	-.0083
24.500			.0021		
25.500	.0071	-.0037	-.0005	-.0056	-.0105
26.500			.0056		
27.500	-.0098	-.0090	-.0041	-.0041	.0011

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 136

(REXP11)

AVES 11-97-010 OS8A.B SF1 + PA3 + BLB

P = 6.3360

Q(PS1) = 4.6150

RV/L = 3.6070

MACH (3) = 1.020 PT (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.6694	-.6688	-.6686	-.6542	-.6413
-27.500			-.4010		
-26.500	-.5608	-.6105	-.6144	-.6070	-.5578
-25.500			-.6062		
-24.500	-.5108	-.5861	-.5639	-.5690	-.5664
-23.500			-.5039		
-22.500	-.4866	-.5060	-.5000	-.5082	-.5058
-21.500			-.4698		
-20.500	-.4582	-.4575	-.4338	-.4752	-.4643
-19.500			-.4149		
-18.500	-.4350	-.4055	-.3841	-.4129	-.4524
-17.500			-.3647		
-16.500	-.4063	-.3559	-.3448	-.3572	-.4460
-15.500			-.3208		
-14.500	-.3459	-.3221	-.3202	-.3384	-.3863
-13.500			-.3024		
-12.500	-.3169	-.2827	-.2673	-.2914	-.3717
-11.500			-.2619		
-10.500	-.2650	-.2486	-.2576	-.2898	-.2895
-9.500			-.2023		
-8.500	-.2034	-.2019	-.1741	-.1580	-.1545
-7.500			-.1116		
-6.500	-.1093	-.0740	-.0404	-.0100	-.0076
-5.500			-.0249		
-4.500	.0014	.0312	.0572	.0808	.0676
-3.500			.0889		
-2.500	.0626	.0755	.0963	.1036	.0966
-1.500			.1063		
-.500	.0864	.1005	.1200	.1240	.1131
.500			.1197		
1.500	.1024	.1128	.1207	.1248	.1145
2.500			.1198		
3.500	.1052	.1064	.1163	.1184	.1232
4.500			.1141		
5.500	.0998	.1025	.1075	.1128	.1153
6.500			.1059		
7.500	.0921	.0976	.1059	.1092	-.0071
8.500			.1084		
9.500	.0885	.0800	.1014	.1048	.1011
10.500			.0834		
11.500	.0826	.0831	.0937	.0957	.1012
12.500			.0918		
13.500	.0668	.0728	.0769	.0873	.0852
14.500			.0854		
15.500	.0555	.0593	.0723	.0707	.0743

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 137

MACH (3) = 1.020 PT (1) = 12.280

(REXP11)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
16.500			.0714		
17.500	.0551	.0531	.0643	.0619	.0000
18.500			.0558		
19.500	.0501	.0463	.0489	.0550	-.2140
20.500			.0457		
21.500	.0301	.0237	.0187	.0401	.0432
22.500			.0349		
23.500	.0175	.0218	.0267	.0332	.0226
24.500			.0259		
25.500	.0083	.0137	.0212	.0173	.0095
26.500			.0200		
27.500	-.0018	-.0013	.0126	.0071	.0147

ORIGINAL PAGE 13
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

ANES 11-97-010 OSBA,B SF1 + PA3 + BLB

(REXP12) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280

P = 6.6*10

MACH (1) = .980 PT (1) = 12.280 RWL = 3.5990 Q(PS1) = 4.4620

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -8.5000 -5.000 6.5000 13.5000

X	-13.500	-8.500	-5.000	6.5000	13.5000
-28.500	-.7513	-.7475	-.7452	-.7354	-.7244
-27.500	-.6265	-.6721	-.6898	-.6725	-.6243
-26.500	-.5757	-.6423	-.6886	-.6383	-.6350
-25.500	-.5475	-.5668	-.5617	-.5705	-.5680
-24.500	-.5114	-.5010	-.4836	-.5293	-.5158
-23.500	-.4780	-.4413	-.4545	-.4540	-.4996
-22.500	-.4219	-.3702	-.3990	-.3856	-.4697
-21.500	-.3107	-.2463	-.3078	-.2853	-.3811
-20.500	-.2038	-.1072	-.1724	-.1071	-.1676
-19.500	-.0879	-.0057	-.0420	-.0034	-.0119
-18.500	.0124	.0478	.0333	.0598	.0452
-17.500	.0625	.0784	.0789	.0885	.0910
-16.500	.0924	.0934	.0986	.1115	.1078
-15.500	.0964	.1019	.1141	.1117	.1073
-14.500	.0927	.0995	.1062	.1132	.1027
-13.500	.0874	.0987	.1055	.1061	.0974
-12.500	.0772	.0820	.0925	.0941	.0913
-11.500	.0579	.0695	.0815	.0800	.0752
-10.500	.0553	.0611	.0702	.0714	-.0174
-9.500	.0526	.0435	.0689	.0625	.0572
-8.500	.0454	.0440	.0614	.0487	.0599
-7.500			.0571		.0609

(REXP12)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 AMES 11-97-010 058A.B SF1 + PA3 + BLB

MATH (1) = .988 PF (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
12.500			.0502	.0549	.0418
13.500	.0313	.0347	.0364		
14.500			.0468		
15.500	.0319	.0250	.0349	.0333	.0344
16.500			.0377		
17.500	.0198	.0220	.0314	.0295	.0800
18.500			.0256		
19.500	.0131	.0171	.0159	.0239	-.2570
20.500			.0179		
21.500	.0036	-.0015	-.0108	.0116	.0082
22.500			.0065		
23.500	-.0029	-.0018	.0016	.0067	-.0111
24.500			.0033		
25.500	-.0058	-.0069	.0017	-.0084	-.0159
26.500			.0053		
27.500	-.0086	-.0105	-.0031	-.0078	-.0061

ORIGINAL PAGE IS
 OF POOR QUALITY

(REXP13) (21 JAN 77)

PARAMETRIC DATA

ABSTRACTED SOURCE DATA - OSB
AYES 11-97-010 OS8A.B SF1 + PA1

DATE 22 JAN 77

PT = 12.280
P = 7.2350

p = 7.2350

MACH (1) = .903 PT (1) = 12.270 RN/L = 3.5120

SECTION 111

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X	- .6938	-.6303	-.6286	-.6255	-.6569
28.500					-.6137
27.500	-.6369				-.5751
26.500	-.5732				-.5224
24.500	-.5122				-.4746
22.500	-.4391				-.3746
20.500	-.3573				-.3036
18.500	-.2985				-.2502
16.500	-.2388				-.1856
14.500	-.1804				-.1334
12.500	-.1256				-.1067
10.500	-.0780				-.0617
8.500	-.0416				-.0402
6.500	-.0134				-.0185
4.500	-.0019				-.0049
2.500	-.0078				-.0055
.500	.0005				.0214
1.500	.0058				.0210
3.500	.0125				.0244
5.500	.0114				.0078
7.500	.0182				.0209
9.500	.0205				.0136
11.500	.0130				.0082
13.500	.0133				.0059
15.500	.0093				-.0215
17.500	.0028				-.0040
19.500	-.0030				-.0072
21.500	-.0091				-.0139
23.500	-.0152				-.0265
25.500	-.0132	-.0144	-.0092	-.0117	
27.500					

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 141

AMES 11-97-010 058A,B SFI + PAI

(REXP14) (21 JAN 77)

PARAMETRIC DATA

PT = 19.650

P = 12.880

Q(PSI) = 5.7810

RW/L = 5.2540

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	.0000	.0000	.0000	.0000
-27.500	.0000	.0000	.0000	.0000
-26.500	.0000	.0000	.0000	.0000
-24.500	.0000	.0000	.0000	.0000
-22.500	.0000	.0000	.0000	.0000
-20.500	.0000	.0000	.0000	.0000
-18.500	.0000	.0000	.0000	.0000
-16.500	.0000	.0000	.0000	.0000
-14.500	.0000	.0000	.0000	.0000
-12.500	.0000	.0000	.0000	.0000
-10.500	.0000	.0000	.0000	.0000
-8.500	.0000	.0000	.0000	.0000
-6.500	.0000	.0000	.0000	.0000
-4.500	.0000	.0000	.0000	.0000
-2.500	.0000	.0000	.0000	.0000
.500	.0000	.0000	.0000	.0000
1.500	.0000	.0000	.0000	.0000
3.500	.0000	.0000	.0000	.0000
5.500	.0000	.0000	.0000	.0000
7.500	.0000	.0000	.0000	.0000
9.500	.0000	.0000	.0000	.0000
11.500	.0000	.0000	.0000	.0000
13.500	.0000	.0000	.0000	.0000
15.500	.0000	.0000	.0000	.0000
17.500	.0000	.0000	.0000	.0000
19.500	.0000	.0000	.0000	.0000
21.500	.0000	.0000	.0000	.0000
23.500	.0000	.0000	.0000	.0000
25.500	.0000	.0000	.0000	.0000
27.500	.0000	.0000	.0000	.0000

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OF POOR QUALITY

MACH (1) =		.702	PT	(1) =	12.270	RV/L =	3.1270	Q(P51) =	3.0449	P	=	8.8310
SECTION (1) PANEL		DEPENDENT VARIABLE CP										
Y		-13.5000	-6.5000	-5.0000	6.5000	13.5000						
X												
-28.500		-.4550	-.4340	-.4335	-.4441	-.4961						
-27.500				-.3677								
-26.500		+.3378	-.3320	-.3403	-.3260	-.3628						
-25.500				-.2870								
-24.500		-.2484	-.2376	-.2347	-.2389	-.2647						
-23.500				-.2088								
-22.500		-.1930	-.1712	-.1711	-.1684	-.2000						
-21.500				-.1494								
-20.500		-.1509	-.1329	-.1147	-.1263	-.1522						
-19.500				-.1080								
-18.500		-.1239	-.1011	-.0931	-.0938	-.1244						
-17.500				-.0794								
-16.500		-.1040	-.0956	-.0726	-.0712	-.0995						
-15.500				-.0687								
-14.500		-.0872	-.0738	-.0689	-.0619	-.0817						
-13.500				-.0561								
-12.500		-.0722	-.0586	-.0548	-.0500	-.0690						
-11.500				-.0620								
-10.500		-.0688	-.0569	-.0635	-.0517	-.0573						
-9.500				-.0468								
-8.500		-.0559	-.0581	-.0509	-.0439	-.0495						
-7.500				-.0459								
-6.500		-.0510	-.0515	-.0479	-.0336	-.0425						
-5.500				-.0344								
-4.500		-.0448	-.0447	-.0488	-.0322	-.0377						
-3.500				-.0376								
-2.500		-.0416	-.0449	-.0394	-.0382	-.0395						
-1.500				-.0467								
		-.0379	-.0452	-.0413	-.0332	-.0331						
				-.0408								
1.500		-.0344	-.0360	-.0400	-.0299	-.0362						
2.500				-.0350								
3.500		-.0341	-.0390	-.0349	-.0362	-.0308						
4.500				-.0401								
5.500		-.0343	-.0398	-.0384	-.0338	-.0329						
6.500				-.0396								
7.500		-.0307	-.0356	-.0322	-.0313	-.0060						
8.500				-.0204								
9.500		-.0318	-.0400	-.0235	-.0248	-.0282						
10.500				-.0331								
11.500		-.0255	-.0368	-.0207	-.0178	-.0210						

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

(REXPIS)

AMES 11-97-010 OS8A.8 SF1 + PA3 + BRA

MACH (1) = .702 PT (1) = 12.270

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
12.500	-.0300	-.0330	-.0164	-.0187	-.0247
13.500	-.0278	-.0345	-.0252	-.0217	-.0248
14.500	-.0242	-.0328	-.0187	-.0244	.0000
15.500	-.0250	-.0319	-.0184	-.0200	-.0272
16.500	-.0272	-.0380	-.0272	-.0272	-.0327
17.500	-.0325	-.0580	-.0569	-.0327	-.0322
18.500	-.0379	-.0716	-.0451	-.0388	-.0344
19.500	-.0282	-.0350	-.0629	-.0439	-.0365
20.500	-.0164	-.0252	-.0808	-.0403	-.0318
21.500	-.0187	-.0244	-.0581		
22.500	-.0200	-.0272	-.0431		
23.500	-.0279	-.0327			
24.500	-.0451	-.0322			
25.500	-.0629	-.0344			
26.500	-.0808	-.0365			
27.500	-.0581	-.0318			

MACH (2) = .751 PT (1) = 12.260 RN/L = 3.2520 O(PS1) = 3.3330 P = 8.4330

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
-28.500	-.6170	-.5984	-.5864	-.6157	-.6352
-27.500	-.4999	-.5207	-.5633	-.4980	-.5213
-26.500	-.3855	-.4500	-.5105	-.4587	-.4172
-25.500	-.2948	-.3201	-.4164	-.3858	-.4172
-24.500	-.2113	-.2044	-.3676	-.3257	-.3239
-23.500	-.1601	-.1486	-.3279	-.2683	-.2429
-22.500	-.1254	-.1240	-.2827	-.1878	-.1797
-21.500	-.0922	-.0867	-.2581	-.1331	-.1269
-20.500	-.0705	-.0630	-.2287	-.1036	-.0911
-19.500	-.0584	-.0499	-.1740	-.0856	-.0627
-18.500	-.0437	-.0333	-.1577	-.0573	-.0448
-17.500			-.1331	-.0475	-.0360
-16.500			-.1036	-.0340	-.0397
-15.500			-.0856		
-14.500			-.0573		
-13.500			-.0340		
-12.500			-.0475		
-11.500			-.0360		
-10.500			-.0397		
-9.500					
-8.500					

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 144

MACH (2) = .751 PT (1) = 12.260

(REXP15)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500			-.0278		
-6.500	-.0387	-.0330	-.0325	-.0226	-.0330
-5.500			-.0224		
-4.500	-.0267	-.0336	-.0278	-.0145	-.0258
-3.500			-.0197		
-2.500	-.0286	-.0257	-.0219	-.0207	-.0265
-1.500			-.0307		
-.500	-.0257	-.0252	-.0224	-.0146	-.0242
.500			-.0211		
1.500	-.0219	-.0241	-.0223	-.0152	-.0227
2.500			-.0171		
3.500	-.0236	-.0260	-.0203	-.0201	-.0182
4.500			-.0227		
5.500	-.0228	-.0307	-.0204	-.0208	-.0199
6.500			-.0275		
7.500	-.0227	-.0246	-.0197	-.0229	-.0077
8.500			-.0140		
9.500	-.0220	-.0302	-.0150	-.0183	-.0194
10.500			-.0226		
11.500	-.0185	-.0216	-.0138	-.0134	-.0143
12.500			-.0093		
13.500	-.0239	-.0190	-.0199	-.0116	-.0185
14.500			-.0094		
15.500	-.0236	-.0218	-.0123	-.0156	-.0206
16.500			-.0102		
17.500	-.0249	-.0209	-.0090	-.0203	.0000
18.500			-.0129		
19.500	-.0268	-.0193	-.0165	-.0205	-.3176
20.500			-.0137		
21.500	-.0285	-.0260	-.0455	-.0266	-.0308
22.500			-.0375		
23.500	-.0376	-.0515	-.0570	-.0315	-.0344
24.500			-.0715		
25.500	-.0413	-.0674	-.0705	-.0404	-.0387
26.500			-.0532		
27.500	-.0356	-.0374	-.0409	-.0385	-.0332

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 145

MACH (3) = .799 PT (1) = 12.260 RN/L = 3.3600 C(PSI) = 3.6010 P = 8.0500 (REXP15)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.6708	-.6455	-.6271	-.6452	-.6688
-27.500			-.6349		
-26.500	-.6076	-.5745	-.5911	-.5922	-.6056
-25.500			-.5627		
-24.500	-.5277	-.5240	-.5365	-.5506	-.5362
-23.500			-.5005		
-22.500	-.4392	-.4230	-.4520	-.4741	-.4533
-21.500			-.4111		
-20.500	-.3471	-.3408	-.3528	-.3584	-.3703
-19.500			-.3500		
-18.500	-.2706	-.2638	-.3129	-.2774	-.3012
-17.500			-.2471		
-16.500	-.1968	-.2118	-.1950	-.2036	-.2224
-15.500			-.1638		
-14.500	-.1435	-.1537	-.1762	-.1633	-.1606
-13.500			-.1477		
-12.500	-.1071	-.0936	-.1133	-.1172	-.1125
-11.500			-.1065		
-10.500	-.0719	-.0686	-.0826	-.0764	-.0761
-9.500			-.0727		
-8.500	-.0462	-.0493	-.0483	-.0600	-.0457
-7.500			-.0286		
-6.500	-.0343	-.0347	-.0222	-.0257	-.0268
-5.500			-.0138		
-4.500	-.0220	-.0150	-.0142	-.0141	-.0148
-3.500			-.0056		
-2.500	-.0171	-.0042	-.0032	-.0095	-.0117
-1.500			-.0116		
.500	-.0151	.0028	.0009	.0006	-.0048
1.500			-.0013		
2.500	-.0131	.0046	.0022	.0011	-.0066
3.500			.0030		
4.500	-.0121	.0020	.0002	.0022	-.0022
5.500			-.0039		
6.500	-.0114	-.0085	-.0050	-.0001	-.0063
7.500			-.0012		
8.500	-.0116	-.0039	.0023	-.0071	-.0175
9.500			.0070		
10.500	-.0063	-.0160	.0050	-.0018	-.0036
11.500			-.0037		
12.500	-.0032	-.0019	.0019	.0015	-.0049
13.500			.0020		
14.500	-.0121	-.0032	-.0088	.0005	-.0083
15.500			.0037		
	-.0097	-.0122	-.0009	-.0032	-.0131

(REXP15)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

MACH (3) = .799 PT (1) = 12.260

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500													
	-.0130	-.0080	-.0026	-.0021	-.0088	.0000	.0074	-.0100	-.0145	-.2912	-.0125	-.0238	-.0202	-.0275	-.0515	-.0339	-.0209	-.0689	-.0665	-.0461	-.0285	-.0490	-.0394	-.0372	-.0250

MACH (4) = .820 PT (1) = 12.260 RN/L = 3.3950 QIPSI = 3.7100 P = 7.8880

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500	-7.500	-6.500	-5.500	-4.500
	-.6704	-.6416	-.6155	-.5813	-.5237	-.4585	-.3774	-.3307	-.2951	-.2298	-.2503	-.1699	-.1225	-.0958	-.0863	-.0586	-.0367	-.0378	-.0222	-.0182	-.0191	-.0202	-.0211	-.0214	-.0217

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

AMES 11-97-010 OSBA,B SF1 + PA3 + BRA

MARCH 14 - 1920 PT (1) = 12.260

SECTION 11 PANEL

DEPENDENT VARIABLE CP

y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

[illegible]
$$Q(PSI) = 3.8160 \quad P = 7.7260$$

max. σ (ksi)	σ_{ult} (ksi)	PT	RN/L	RN/L =
3.4200	12.260			

SECTION / PARAMETER

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X	$\bar{X}$	$\frac{X - \bar{X}}{s}$	$\frac{(X - \bar{X})^2}{s^2}$	$\frac{(X - \bar{X})^3}{s^3}$
-28.500	-.6615	-.6402	-.6358	-.6412
-27.500			-.6463	
-26.500	-.6492	-.5915	-.5964	-.5988
-25.500			-.5673	
-24.500	-.5571	-.5722	-.5491	-.5480
				-.5596

(REXP15)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
AMES 11-97-010 OS8A.8 SF1 + PA3 + BRA

MACH (5) = .840 PT (1) = 12.260
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
-23.500					
-22.500					
-21.500					
-20.500					
-19.500					
-18.500					
-17.500					
-16.500					
-15.500					
-14.500					
-13.500					
-12.500					
-11.500					
-10.500					
-9.500					
-8.500					
-7.500					
-6.500					
-5.500					
-4.500					
-3.500					
-2.500					
-1.500					
-.500					
.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					

DATE 22 JAN. 77 TABULATED SOURCE DATA - 058

AMES 11-97-010 058A.8 SF1 + PA3 + BRA

(REXP15)

MACH (5) = .840 PT (1) = 12.260

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.500	-6.500	-5.000	6.500	13.500
21.500	-.0074	-.0103	-.0218	-.0047	-.0106
22.500			-.0183		
23.500	-.0189	-.0402	-.0434	-.0106	-.0139
24.500			-.0632		
25.500	-.0268	-.0684	-.0611	-.0248	-.0254
26.500			-.0451		
27.500	-.0259	-.0289	-.0323	-.0273	-.0223

MACH (6) = .860 PT (1) = 12.260 RN/L = 3.4420 Q(PS1) = 3.9200 P = 7.5640

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5800 -5.000 6.5000 13.5000

X	-13.500	-6.580	-5.000	6.500	13.500
28.500	1.6600	-.6369	-.6379	-.6359	-.6688
27.500			-.6528		
26.500	-.6229	-.6023	-.6017	-.6045	-.6272
25.500			-.5764		
24.500	-.5719	-.5565	-.5494	-.5679	-.5792
23.500			-.5379		
22.500	-.5162	-.4973	-.5116	-.5194	-.5222
21.500			-.4752		
20.500	-.4467	-.4246	-.4469	-.4541	-.4667
19.500			-.3966		
18.500	-.3803	-.3686	-.3856	-.3918	-.3971
17.500			-.3593		
16.500	-.3103	-.3176	-.3429	-.3639	-.3261
15.500			-.3144		
14.500	-.2453	-.2651	-.2598	-.3005	-.2600
13.500			-.2688		
12.500	-.1843	-.2296	-.2058	-.2296	-.2000
11.500			-.2072		
10.500	-.1302	-.1973	-.1549	-.1464	-.1508
9.500			-.1304		
8.500	-.0817	-.0917	-.1557	-.1217	-.0957
7.500			-.1293		
6.500	-.0537	-.0581	-.1047	-.0874	-.0593
5.500			-.0868		
4.500	-.0329	-.0382	-.0578	-.0506	-.0348
3.500			-.0317		
2.500	-.0176	-.0152	-.0269	-.0474	-.0146
1.500			-.0237		
.500	-.0053	-.0062	-.0146	-.0162	.0019
			.0013		

DATE 22 JAN 77

TABULATED SOURCE DATA - OS3

PAGE 150

(REXP15)

AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

MACH (6) = .860 PT (1) = 12.260

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

1.500	.0040	.0057	-.0006	.0057	.0060
2.500			.0039		
3.500	.0070	.0099	.0048	.0135	.0138
4.500			.0122		
5.500	.0102	.0099	.0173	.0109	.0130
6.500			.0141		
7.500	.0113	.0141	.0213	.0127	-.0105
8.500			.0250		
9.500	.0163	.0133	.0267	.0267	.0141
10.500			.0233		
11.500	.0188	.0242	.0179	.0283	.0160
12.500			.0187		
13.500	.0105	.0244	.0095	.0148	.0110
14.500			.0194		
15.500	.0149	.0105	.0155	.0115	.0083
16.500			.0229		
17.500	.0122	.0074	.0222	.0133	.0008
18.500			.0155		
19.500	.0038	.0073	.0131	.0115	-.2313
20.500			.0092		
21.500	-.0070	-.0016	-.0053	.0041	-.0022
22.500			-.0080		
23.500	-.0194	-.0298	-.0338	-.0097	-.0076
24.500			-.0562		
25.500	.0282	-.0679	-.0600	-.0216	-.0162
26.500			-.0427		
27.500	-.0292	-.0307	-.0285	-.0241	-.0156

MACH (7) = .880 PT (1) = 12.250 RN/L = 3.4660 Q(PS1) = 4.0140 P = 7.4020

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.6644	-.6467	-.6371	-.6434	-.6602
-27.500			-.6487		
-26.500	-.6263	-.6009	-.6157	-.5941	-.6217
-25.500			-.5860		
-24.500	-.5693	-.5633	-.5611	-.5631	-.5803
-23.500			-.5229		
-22.500	-.5150	-.5085	-.5005	-.5246	-.5240
-21.500			-.4652		
-20.500	-.4554	-.4594	-.4368	-.4600	-.4701
-19.500			-.4186		

(REXP151)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (7) = .880 PT (1) = 12.250
 AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-18.500	-.3932	-.3978	-.3643	-.3998	-.3925
-17.500			-.3430		
-16.500	-.3282	-.2856	-.3177	-.3545	-.3259
-15.500			-.3124		
-14.500	-.2574	-.1996	-.3003	-.3021	-.2607
-13.500			-.2453		
-12.500	-.1966	-.1713	-.2257	-.2448	-.2096
-11.500			-.2092		
-10.500	-.1529	-.1649	-.1700	-.1901	-.1547
-9.500			-.1548		
-8.500	-.1085	-.1202	-.1114	-.1177	-.1220
-7.500			-.0912		
-6.500	-.0727	-.1050	-.0975	-.0624	-.0707
-5.500			-.0720		
-4.500	-.0442	-.0713	-.0503	-.0836	-.0451
-3.500			-.0275		
-2.500	-.0211	-.0405	-.0341	-.0333	-.0255
-1.500			-.0185		
.500	-.0086	-.0114	-.0045	-.0004	-.0086
1.500			.0021		
2.500	.0033	.0060	.0067	.0131	.0038
3.500			.0110		
4.500	.0085	.0110	.0114	.0176	.0178
5.500			.0174		
6.500	.0110	.0148	.0177	.0236	.0193
7.500			.0179		
8.500	.0109	.0242	.0242	.0210	-.0144
9.500			.0231		
10.500	.0198	.0134	.0248	.0278	.0210
11.500			.0214		
12.500	.0236	.0253	.0307	.0291	.0256
13.500			.0307		
14.500	.0162	.0230	.0154	.0271	.0233
15.500			.0287		
16.500	.0177	.0191	.0242	.0245	.0177
17.500			.0277		
18.500	.0140	.0217	.0261	.0148	.0000
19.500			.0163		
20.500	.0094	.0122	.0177	.0128	-.2161
21.500			.0131		
22.500	-.0028	.0094	-.0074	.0067	-.0007
23.500			-.0089		
24.500	-.0132	-.0246	-.0429	-.0092	-.0050
25.500			-.0766		
	-.0304	-.0582	-.0782	-.0225	-.0163

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TABULATED SOURCE DATA - OSB
AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

(REXP15)

MACH (7) = .880 PT (1) = 12.250
SECTION (1) PANEL DEPENDENT VARIABLE CP
Y -13.5000 -6.5000 -5.000 6.5000 13.5000
X
26.500 -.0342
27.500 -.0312 -.0346 -.0341 -.0251 -.0175
MACH (8) = .901 PT (1) = 12.250 RN/L = 3.4880 Q (PSI) = 4.1120 P = 7.2400

SECTION (1) PANEL DEPENDENT VARIABLE CP
Y -13.5000 -6.5000 -5.000 6.5000 13.5000
X
-28.500 -.7016 -.6486 -.6300 -.6454 -.6780
-27.500 -.6103
-26.500 -.6481 -.5983 -.6029 -.5971 -.6303
-25.500 -.5702 -.5532 -.5799 -.5382 -.5852
-24.500 -.5045 -.4777 -.4743 -.4941 -.5226
-23.500 -.4276 -.4333 -.4269 -.4659 -.4594
-22.500 -.3637 -.3016 -.3488 -.3446 -.3834
-21.500 -.3024 -.2471 -.3301 -.2617 -.3045
-20.500 -.2335 -.1429 -.2221 -.1868 -.2332
-19.500 -.1816 -.1261 -.1823 -.1721 -.1745
-18.500 -.1462 -.1823 -.1911 -.1324 -.1216
-17.500 -.1007 -.0819 -.1581 -.1049 -.0801
-16.500 -.0601 -.0885 -.0742 -.0384 -.0513
-15.500 -.0232 -.0624 -.0701 -.0393 -.0322
-14.500 -.0078 -.0313 -.0089 -.0130 -.0145
-13.500 -.0019 -.0106 -.0088 -.0025 -.0084
-12.500 .0112 .0245 .0107 .0149 .0101
-11.500 .0136 .0250 .0174 .0209 .0235
-10.500 .0163 .0250 .0185 .0226 .0220

TABULATED SOURCE DATA - OS8

AMFS 11-97-010 OS8A.B SF1 + PA3 + BRA

(REXP15)

MACH 1 RI. # 105 PT (1) = 12.250

SECTION (1) PANEL

DEPENDENT VARIABLE CP

13	5000	-6.5000	-5000	6.5000	13.5000
----	------	---------	-------	--------	---------

✕

6.500	.0173	.0268	.0245	.0241	-.0091
7.500			.0280		
8.500	.0226	.0164	.0265	.0328	.0247
9.500			.0179		
10.500	.0247	.0215	.0355	.0376	.0289
11.500			.0370		
12.500	.0178	.0166	.0283	.0379	.0229
13.500			.0394		
14.500	.0220	.0087	.0352	.0265	.0181
15.500			.0400		
16.500	.0185	.0214	.0379	.0180	.0000
17.500			.0313		
18.500	.0140	.0215	.0316	.0139	-.2255
19.500			.0265		
20.500	.0041	.0074	.0017	-.0031	.0050
21.500			-.0008		
22.500	-.0118	-.0375	-.0272	-.0120	-.0013
23.500			.0541		
24.500	-.0304	-.0961	-.0689	-.0321	-.0148
25.500			-.0512		
26.500	-.0389	-.0550	-.0478	-.0368	-.0148
27.500					

[illegible]

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y **-13.5000** **-6.5000** **-.5000** **6.5000** **13.5000**

X

[illegible]

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TABULATED SOURCE DATA - 058

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AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

(REXP15)

MACH (9) = .920 PT (1) = 12.250

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-13.500	-.1016	-.0682	-.0911	-.0857	-.1839
-12.500			-.0616		
-11.500			-.0796		
-10.500	-.0642	-.0509	-.0657	-.0729	-.1127
-9.500			-.0337		
-8.500	-.0203	-.0128	-.0195	-.0265	-.0592
-7.500			-.0079		
-6.500	.0069	.0082	-.0035	-.0200	-.0121
-5.500			.0091		
-4.500	.0278	.0165	.0073	.0115	.0151
-3.500			.0220		
-2.500	.0353	.0252	.0259	.0260	.0313
-1.500	.0388	.0243	.0207	.0372	.0412
.500			.0345		
1.500	.0412	.0322	.0287	.0433	.0395
2.500			.0344		
3.500	.0362	.0212	.0319	.0413	.0467
4.500			.0322		
5.500	.0321	.0165	.0287	.0376	.0417
6.500			.0226		
7.500	.0295	.0237	.0282	.0378	-.0100
8.500			.0339		
9.500	.0304	.0111	.0331	.0433	.0383
10.500			.0240		
11.500	.0335	.0255	.0401	.0439	.0401
12.500			.0414		
13.500	.0242	.0253	.0292	.0430	.0344
14.500			.0454		
15.500	.0275	.0227	.0409	.0320	.0265
16.500			.0474		
17.500	.0242	.0343	.0488	.0295	.0000
18.500			.0472		
19.500	.0225	.0395	.0462	.0258	-.2554
20.500			.0500		
21.500	.0101	.0436	.0226	.0079	.0041
22.500			.0206		
23.500	-.0145	-.0243	-.0362	-.0148	-.0051
24.500			-.1233		
25.500	-.0480	-.2072	-.2057	-.0522	-.0274
26.500			-.1261		
27.500	-.0726	-.1036	-.0836	-.0633	-.0295

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TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

(REXP15)

MACH (10) = .938 PT (1) = 12.250 RN/L = 3.5228 Q(PS1) = 4.2780 P = 6.9450

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.7763	-.8148	-.8010	-.7207	-.7536
-27.500			-.5239		
-26.500	-.7050	-.7692	-.6793	-.7091	-.6832
-25.500			-.5596		
-24.500	-.6306	-.6952	-.5037	-.5889	-.6303
-23.500			-.4917		
-22.500	1.5582	-.4661	-.4275	-.4400	-.5477
-21.500			-.3641		
-20.500	1.4624	-.2976	-.3037	-.3615	-.4593
-19.500			-.2600		
-18.500	-.3803	-.1706	-.1903	-.2486	-.3899
-17.500			-.1497		
-16.500	-.2920	-.0964	-.1295	-.1678	-.3056
-15.500			-.0928		
-14.500	-.2013	-.0691	-.0676	-.1206	-.2431
-13.500			-.0307		
-12.500	-.1275	-.0237	-.0169	-.0297	-.1682
-11.500			-.0081		
-10.500	-.0460	.0042	.0039	-.0091	-.0934
-9.500			.0163		
-8.500	.0048	.0027	.0295	.0110	-.0200
-7.500			.0260		
-6.500	.0251	.0133	.0239	.0467	.0257
-5.500			.0434		
-4.500	.0501	.0338	.0422	.0571	.0481
-3.500			.0623		
-2.500	.0554	.0412	.0683	.0592	.0587
-1.500			.0511		
.500	.0609	.0425	.0566	.0681	.0634
1.500			.0491		
2.500	.0599	.0469	.0478	.0652	.0639
3.500			.0467		
4.500	.0501	.0303	.0430	.0549	.0711
5.500			.0406		
6.500	.0427	.0254	.0387	.0524	.0613
7.500			.0383		
8.500	.0399	.0317	.0412	.0514	-.0139
9.500			.0456		
10.500	.0431	.0177	.0440	.0569	.0531
11.500			.0336		
12.500	.0467	.0358	.0523	.0568	.0546
13.500			.0553		
14.500	.0366	.0395	.0427	.0572	.0476
15.500			.0589		
	.0392	.0387	.0568	.0481	.0397

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TABULATED SOURCE DATA - 058

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(REXP15)

AVES 11-97-010 058A.B SF1 + PA3 + BRA

MACH (10) = .938 PT (1) = 12.250

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000 I

X

16.500	.0656
17.500	.0677
18.500	.0682
19.500	.0730
20.500	.0764
21.500	.0500
22.500	.0507
23.500	.0075
24.500	.0039
25.500	.0553
26.500	.0232
27.500	.0156

MACH (11) = .954 PT (1) = 12.250 RN/L = 3.5350 0(P51) = 4.3460 P = 8.6220

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-28.500	-.8243	-.8216	-.8297	-.7940	-.7794
-27.500	-.7052	-.7450	-.5087	-.7198	-.6753
-26.500	-.6462	-.7117	-.7389	-.6554	-.6611
-25.500	-.5816	-.6317	-.6764	-.5952	-.5884
-24.500	-.5320	-.4588	-.5755	-.4340	-.4855
-23.500	-.3541	-.2487	-.3713	-.2516	-.3985
-22.500	-.1857	-.1237	-.2936	-.1327	-.2964
-21.500	-.0677	-.0487	-.1684	-.0817	-.1565
-20.500	.0077	.0156	-.0112	-.0799	-.1984
-19.500	.0455	.0547	.0323	-.0056	-.0984
-18.500	.0801	.0717	.0750	.0220	-.0306
-17.500	.0855	.0882	.0936	.0728	-.0052
-16.500	.0929	.0863	.0872	.0886	.0339
-15.500			.0982	.0933	.0634

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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AMES 11-97-010 058A.8 SF1 + PA3 + BRA

(REXP15)

MACH (11) = .954 PT (1) = 12.250

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-3.500	.0843	.0801	.0999	.0889	.0890
-2.500			.0922		
-1.500	.0775	.0691	.0792	.0900	.0860
-.500			.0722		
1.577	.0710	.0765	.0729	.0838	.0795
2.500			.0764		
3.500	.0586	.0597	.0691	.0757	.0832
4.500			.0614		
5.500	.0509	.0480	.0575	.0693	.0744
6.500			.0531		
7.500	.0474	.0501	.0594	.0633	-.0104
8.500			.0630		
9.500	.0460	.0363	.0622	.0654	.0626
10.500			.0499		
11.500	.0486	.0452	.0633	.0680	.0607
12.500			.0693		
13.500	.0419	.0523	.0545	.0683	.0529
14.500			.0710		
15.500	.0486	.0485	.0688	.0597	.0455
16.500			.0785		
17.500	.0436	.0682	.0834	.0588	.0000
18.500			.0849		
19.500	.0550	.0804	.0880	.0608	-.2695
20.500			.0937		
21.500	.0478	.0937	.0720	.0406	.0255
22.500			.0738		
23.500	.0138	.0291	.0147	.0111	.0081
24.500			-.0842		
25.500	-.0411	-.2101	-.2213	-.0493	-.0382
26.500			-.2679		
27.500	-.1765	-.4134	-.3795	-.1955	-.0979

PARAMETRIC DATA

PT = 12.286
P = 8.8260

MACH (1) = .702 PT (1) = 12.270 RN/L = 3.1280 Q(PS1) = 3.0480

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.500	-6.500	-5.000	6.500	13.500
-28.500	-.4427	-.4312	-.4382	-.4464	-.4866
-27.500	-.3724	-.3724	-.3724	-.3724	-.3724
-26.500	-.3228	-.3204	-.3141	-.3529	-.3586
-25.500	-.2877	-.2877	-.2877	-.2877	-.2877
-24.500	-.2379	-.2169	-.2405	-.2525	-.2690
-23.500	-.1780	-.1780	-.1780	-.1780	-.1780
-22.500	-.1596	-.1596	-.1596	-.1596	-.1596
-21.500	-.1346	-.1346	-.1346	-.1346	-.1346
-20.500	-.1177	-.1177	-.1177	-.1177	-.1177
-19.500	-.1084	-.1084	-.1084	-.1084	-.1084
-18.500	-.0900	-.0900	-.0900	-.0900	-.0900
-17.500	-.0867	-.0867	-.0867	-.0867	-.0867
-16.500	-.0762	-.0762	-.0762	-.0762	-.0762
-15.500	-.0665	-.0665	-.0665	-.0665	-.0665
-14.500	-.0697	-.0697	-.0697	-.0697	-.0697
-13.500	-.0623	-.0623	-.0623	-.0623	-.0623
-12.500	-.0491	-.0491	-.0491	-.0491	-.0491
-11.500	-.0588	-.0588	-.0588	-.0588	-.0588
-10.500	-.0681	-.0508	-.0633	-.0537	-.0521
-9.500	-.0428	-.0428	-.0428	-.0428	-.0428
-8.500	-.0586	-.0619	-.0491	-.0505	-.0480
-7.500	-.0402	-.0402	-.0402	-.0402	-.0402
-6.500	-.0538	-.0503	-.0503	-.0380	-.0416
-5.500	-.0453	-.0438	-.0427	-.0317	-.0364
-4.500	-.0350	-.0350	-.0350	-.0350	-.0350
-3.500	-.0412	-.0423	-.0394	-.0377	-.0392
-2.500	-.0442	-.0442	-.0442	-.0442	-.0442
-1.500	-.0372	-.0432	-.0391	-.0326	-.0344
.500	-.0323	-.0323	-.0323	-.0323	-.0323
1.500	-.0336	-.0338	-.0438	-.0315	-.0320
2.500	-.0369	-.0369	-.0369	-.0369	-.0369
3.500	-.0332	-.0369	-.0353	-.0322	-.0259
4.500	-.0387	-.0387	-.0387	-.0387	-.0387
5.500	-.0363	-.0363	-.0363	-.0363	-.0363
6.500	-.0386	-.0386	-.0386	-.0386	-.0386
7.500	-.0309	-.0350	-.0309	-.0353	-.0061
8.500	-.0219	-.0219	-.0219	-.0219	-.0219
9.500	-.0279	-.0411	-.0362	-.0278	-.0263
10.500	-.0335	-.0335	-.0335	-.0335	-.0335
11.500	-.0243	-.0346	-.0205	-.0218	-.0223

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OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - OS9

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AMES 11-97-010 OS9A,B SF1 + PA3 + BRA

(REXP16)

MACH (1) = .702 PT (1) = 12.270

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

12.500	-.0279	-.0337	-.0171	-.0237	-.0230
13.500			-.0288		
14.500			-.0205		
15.500	-.0259	-.0337	-.0182	-.0264	-.0247
16.500			-.0133		
17.500	-.0247	-.0302	-.0126	-.0296	.0000
18.500			-.0154		
19.500	-.0287	-.0283	-.0225	-.0318	-.3307
20.500			-.0214		
21.500	-.0319	-.0366	-.0466	-.0371	-.0332
22.500			-.0369		
23.500	-.0368	-.0620	-.0604	-.0386	-.0356
24.500			-.0738		
25.500	-.0421	-.0701	-.0734	-.0471	-.0388
26.500			-.0503		
27.500	-.0316	-.0332	-.0441	-.0396	-.0344

MACH (2) = .752 PT (1) = 12.270 RV/L = 3.2570 O(PS1) = 3.3370 P = 8.4380

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.6234	-.5971	-.5835	-.6162	-.6133
-27.500			-.5657		
-26.500	-.5165	-.4454	-.4802	-.5234	-.4980
-25.500			-.3999		
-24.500	-.4036	-.3950	-.3683	-.3977	-.3988
-23.500			-.3555		
-22.500	-.3010	-.2763	-.3036	-.3113	-.3076
-21.500	-.2152	-.2317	-.2821	-.2323	-.2245
-20.500			-.1971		
-19.500			-.1758	-.1559	-.1769
-18.500	-.1571	-.1450	-.1483	-.1188	-.1254
-17.500	-.1200	-.1047	-.0885		
-16.500			-.0744	-.0872	-.0901
-15.500	-.0891	-.0723	-.0605		
-14.500			-.0490	-.0674	-.0629
-13.500	-.0679	-.0499	-.0552		
-12.500			-.0454	-.0506	-.0425
-11.500	-.0615	-.0406	-.0278		
-10.500			-.0270	-.0303	-.0402
-9.500	-.0480	-.0417			
-8.500					

(REXP16)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (2) = .752 P: (1) = 12.270
 AMES 11-97-010 098A,B SF1 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.5000	-5.0000	6.5000	13.5000
X						
-7.500				-.0209	-.0170	-.0306
-6.500	-.0421	-.0320		-.0238		
-5.500				-.0174		
-4.500	-.0327	-.0252		-.0234	-.0128	-.0229
-3.500				-.0215		
-2.500	-.0296	-.0222		-.0198	-.0197	-.0242
-1.500				-.0189		
-.500	-.0292	-.0212		-.0115	-.0133	-.0201
.500				-.0147		
1.500	-.0262	-.0145		-.0134	-.0131	-.0222
2.500				-.0195		
3.500	-.0270	-.0176		-.0141	-.0138	-.0166
4.500				-.0171		
5.500	-.0283	-.0138		-.0173	-.0136	-.0170
6.500				-.0274		
7.500	-.0249	-.0130		-.0184	-.0138	-.0043
8.500				-.0134		
9.500	-.0244	-.0193		-.0159	-.0097	-.0146
10.500				-.0237		
11.500	-.0192	-.0237		-.0094	-.0068	-.0119
12.500				-.0073		
13.500	-.0270	-.0232		-.0171	-.0054	-.0170
14.500				-.0060		
15.500	-.0257	-.0267		-.0098	-.0121	-.0193
16.500				-.0046		
17.500	-.0219	-.0218		-.0069	-.0167	.0000
18.500				-.0119		
19.500	-.0222	-.0200		-.0167	-.0178	-.3139
20.500				-.0171		
21.500	-.0269	-.0267		-.0447	-.0245	-.0321
22.500				-.0416		
23.500	-.0322	-.0464		-.0608	-.0377	-.0332
24.500				-.0735		
25.500	-.0386	-.0639		-.0693	-.0449	-.0385
26.500				-.0480		
27.500	-.0318	-.0340		-.0404	-.0380	-.0338

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(REXP16)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 AMES 11-97-010 058A.3 SF1 + PA3 + BRA
 MACH (3) = .799 PT (1) = 12.260 RV/L = 3.3610 Q(PS1) = 3.6010 P = 8.0508

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-28.500	-.6754	-.6380	-.6214	-.6513	-.6659
-27.500	-.6272	-.5683	-.5404	-.5821	-.5910
-26.500	-.5404	-.5094	-.4676	-.5317	-.5063
-25.500	-.5287	-.4385	-.4215	-.4490	-.4203
-24.500	-.4385	-.3784	-.3608	-.3625	-.3424
-23.500	-.3428	-.3167	-.2980	-.3364	-.2992
-22.500	-.2546	-.2572	-.2691	-.2351	-.2149
-21.500	-.1845	-.1741	-.1894	-.1914	-.1489
-20.500	-.1305	-.0955	-.1427	-.1349	-.0993
-19.500	-.0955	-.0856	-.1075	-.0809	-.0631
-18.500	-.0671	-.0543	-.0710	-.0385	-.0456
-17.500	-.0413	-.0274	-.0336	-.0191	-.0242
-16.500	-.0274	-.0158	-.0069	-.0142	-.0151
-15.500	-.0158	-.0127	-.0030	-.0091	-.0124
-14.500	-.0127	-.0133	-.0048	-.0003	-.0079
-13.500	-.0133	-.0102	-.0046	-.0054	-.0065
-12.500	-.0102	-.0113	-.0033	-.0046	-.0027
-11.500	-.0113	-.0128	-.0064	-.0048	-.0048
-10.500	-.0128	-.0106	-.0014	-.0021	-.0110
-9.500	-.0106	-.0102	-.0027	-.0054	-.0052
-8.500	-.0102	-.0051	-.0009	-.0081	-.0000
-7.500	-.0051	-.0127	-.0098	-.0036	-.0068
-6.500	-.0127	-.0114	-.0030	-.0047	-.0120
-5.500	-.0114	-.0136	-.0003		

(REXP161)

DATE 22 JAN 77
 TABULATED SOURCE DATA - OSB
 AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

MACH (3) = .799 PT (1) = 12.260
 SECTION (1) PANEL
 Y -13.5000 -6.5000 -.5000 6.5000 13.5000
 X
 16.500 .0022 -.0098 .0000
 17.500 -.0123 -.0109 .0004
 18.500 -.0050 -.0123 -.2810
 19.500 -.0146 -.0089 -.0085
 20.500 -.0123 -.0123 -.0211
 21.500 -.0204 -.0154 -.0306
 22.500 -.0265 -.0228 -.0235
 23.500 -.0515 -.0323 -.0322
 24.500 -.0594 -.0323 -.0322
 25.500 -.0340 -.0602 -.0472
 26.500 -.0287 -.0337 -.0401
 27.500
 MACH (4) = .819 PT (1) = 12.250 RV/L = 3.3890 Q(PS1) = 3.7939 P = 7.8880

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -.5000 6.5000 13.5000
 X
 -28.500 -.6696 -.6400 -.6330 -.6503 -.6705
 -27.500 -.6518 -.5973 -.5901 -.6137
 -26.500 -.5702 -.5297 -.5533
 -25.500 -.5433 -.5071 -.4234 -.4753
 -24.500 -.4749 -.4480 -.3837 -.4049
 -23.500 -.4144 -.3751 -.3210 -.3406
 -22.500 -.3501 -.3050 -.2903 -.2600
 -21.500 -.2553 -.2403 -.2209 -.1956
 -20.500 -.1946 -.1480 -.1596 -.1413
 -19.500 -.1451 -.1468 -.1005 -.0909
 -18.500 -.0876 -.0838 -.0578 -.0624
 -17.500 -.0592 -.0599 -.0353 -.0326
 -16.500 -.0388 -.0402 -.0366 -.0176
 -15.500 -.0201 -.0333 -.0387 -.0179
 -14.500

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

(REXPIS)

AMES 11-97-010 058A.B SF1 + PA3 + BRA

MACH (4) = .819 PT (1) = 12.250

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5000 6.5000 13.5000

X

-3.500	-.0127	-.0130	-.0106	-.0009	-.0084
-2.500			-.0136		
-1.500			-.0126		
-.500	-.0080	-.0088	-.0006	.0057	.0003
1.500	-.0020	.0089	.0036	.0051	.0049
2.500			.0074		
3.500	-.0012	.0014	.0038	.0126	.0119
4.500			.0047		
5.500	-.0034	-.0036	.0041	.0098	.0104
6.500			.0027		
7.500	-.0020	-.0006	.0044	.0095	-.0088
8.500			.0118		
9.500	.0019	-.0035	.0113	.0143	.0076
10.500			.0048		
11.500	.0053	.0007	.0139	.0141	.0056
12.500			.0128		
13.500	-.0012	.0018	.0028	.0050	.0013
14.500			.0117		
15.500	-.0014	-.0059	.0071	-.0012	-.0042
16.500			.0063		
17.500	-.0027	-.0063	.0054	-.0049	.0000
18.500			.0021		
19.500	-.0117	-.0055	-.0006	-.0080	-.2643
20.500			.0018		
21.500	-.0197	-.0070	-.0288	-.0175	-.0219
22.500			.0302		
23.500	-.0232	-.0379	.0510	-.0235	-.0246
24.500			.0705		
25.500	-.0343	-.0586	.0680	-.0335	-.0319
26.500			.0394		
27.500	-.0322	-.0322	-.0337	-.0312	-.0294

MACH (5) = .843 PT (1) = 12.260 RM/L = 3.4210 O(PS1) = 3.8290 P = 7.7020

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5000 6.5000 13.5000

X

-28.500	-.6645	-.6342	-.6273	-.6426	-.6560
-27.500			-.6465		
-26.500	-.6189	-.5898	-.5817	-.5984	-.6179
-25.500			-.5690		
-24.500	-.5556	-.5472	-.5442	-.5601	-.5713

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

(REXP16)

MACH (5) = .843 PT (1) = 12.260

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-23.500			-.5112		
-22.500	-.4883	-.4676	-.5084	-.4982	-.5110
-21.500			-.4656		
-20.500	-.4115	-.4058	-.4386	-.4553	-.4525
-19.500			-.3916		
-18.500	-.3390	-.3555	-.3532	-.3612	-.3974
-17.500			-.3524		
-16.500	-.2704	-.3056	-.2985	-.2863	-.3146
-15.500			-.2586		
-14.500	-.2049	-.2401	-.2565	-.2476	-.2472
-13.500			-.2257		
-12.500	-.1510	-.1958	-.1676	-.1693	-.1812
-11.500			-.1359		
-10.500	-.1142	-.1537	-.1281	-.1554	-.1231
-9.500			-.1155		
-8.500	-.0738	-.0911	-.0962	-.0732	-.0873
-7.500			-.0921		
-6.500	-.0494	-.0589	-.0708	-.0606	-.0462
-5.500			-.0367		
-4.500	-.0283	-.0318	-.0355	-.0247	-.0205
-3.500			-.0094		
-2.500	-.0149	-.0116	-.0053	-.0147	-.0065
-1.500			-.0053		
-.500	-.0037	-.0018	-.0113	-.0062	-.0020
.500			-.0044		
1.500	.0023	.0070	.0050	.0174	.0091
2.500			.0140		
3.500	.0036	.0066	.0150	.0089	.0158
4.500			.0158		
5.500	.0025	.0047	.0152	.0140	.0123
6.500			.0108		
7.500	.0052	.0100	.0192	.0147	-.0097
8.500			.0176		
9.500	.0100	.0001	.0200	.0194	.0107
10.500			.0136		
11.500	.0148	.0095	.0252	.0222	.0177
12.500			.0253		
13.500	.0081	.0063	.0108	.0166	.0116
14.500			.0165		
15.500	.0070	.0847	.0136	.0108	.0055
16.500			.0153		
17.500	.0049	.0055	.0140	.0069	.0000
18.500			.0121		
19.500	-.0015	.0062	.0097	.0045	-.2403
20.500			.0046		

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

(REXP16)

AVES 11-97-010 OS8A.8 SF1 + PA3 + BRA

MACH (5) = .843 PT (1) = 12.260

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
21.500 -.0112 .0006 -.0216 -.0050 -.0092
22.500 -.0172 -.0295 -.0414 -.0119 -.0128
23.500 -.0153 -.0295 -.0414 -.0119 -.0128
24.500 -.0657 -.0657 -.0657 -.0657 -.0657
25.500 -.0302 -.0563 -.0689 -.0227 -.0231
26.500 -.0421 -.0421 -.0421 -.0421 -.0421
27.500 -.0297 -.0319 -.0280 -.0268 -.0232

MACH (6) = .859 PT (1) = 12.260 RN/L = 3.4370 Q(PS1) = 3.9130 P = 7.5690

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 -.6608 -.6492 -.6422 -.6442 -.6640
-27.500 -.6514 -.6514 -.6514 -.6514 -.6514
-26.500 -.6231 -.5904 -.5943 -.5987 -.6249
-25.500 -.5624 -.5624 -.5624 -.5624 -.5624
-24.500 -.5700 -.5550 -.5454 -.5615 -.5788
-23.500 -.5263 -.5263 -.5263 -.5263 -.5263
-22.500 -.4846 -.4846 -.4846 -.4846 -.4846
-21.500 -.4657 -.4657 -.4657 -.4657 -.4657
-20.500 -.4542 -.4542 -.4542 -.4542 -.4542
-19.500 -.4234 -.4234 -.4234 -.4234 -.4234
-18.500 -.3500 -.3773 -.3685 -.4060 -.3722
-17.500 -.3599 -.3599 -.3599 -.3599 -.3599
-16.500 -.2798 -.3147 -.3363 -.3169 -.3100
-15.500 -.2946 -.2946 -.2946 -.2946 -.2946
-14.500 -.2124 -.2492 -.2681 -.2575 -.2490
-13.500 -.2399 -.2399 -.2399 -.2399 -.2399
-12.500 -.1635 -.2005 -.2250 -.1926 -.1914
-11.500 -.1773 -.1773 -.1773 -.1773 -.1773
-10.500 -.1358 -.1715 -.1264 -.1447 -.1324
-9.500 -.1268 -.1268 -.1268 -.1268 -.1268
-8.500 -.0881 -.0881 -.0881 -.0881 -.0881
-7.500 -.0772 -.0772 -.0772 -.0772 -.0772
-6.500 -.0677 -.0677 -.0677 -.0677 -.0677
-5.500 -.0551 -.0551 -.0551 -.0551 -.0551
-4.500 -.0305 -.0529 -.0554 -.0415 -.0364
-3.500 -.0331 -.0331 -.0331 -.0331 -.0331
-2.500 -.0179 -.0182 -.0273 -.0377 -.0173
-1.500 -.0298 -.0298 -.0298 -.0298 -.0298
-.500 .0002 .0031 .0106 -.0843 -.0020
.500 .0013 .0013 .0013 .0013 .0013

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

(REXP16)

AVES 11-97-010 OS8A.8 SF1 + PA3 + BRA

MACH (6) = .859 PT (1) = 12.250

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	1.500	2.500	3.500	4.500	5.500	6.500	7.500	8.500	9.500	10.500	11.500	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500										
	.0068	.0062	.0037	.0125	.0084	.0140	.0123	.0130	.0160	.0185	.0235	.0240	.0197	.0182	.0282	.0292	.0164	.0231	.0235	.0163	.0194	.0142	.0105	.0086	-.2256	.0003	-.0057	-.0109	-.0349	-.0542	-.0541	-.0166	-.0213	-.0378	-.0339	-.0283	-.0192

MACH (7) = .888 PT (1) = 12.250 RW/L = 3.4670 O(PS1) = 4.0140 P = 7.4020

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500											
	-.6496	-.6409	-.6351	-.6424	-.6418	-.6493	-.6070	-.5993	-.6085	-.5883	-.5548	-.5626	-.5705	-.5368	-.5166	-.5196	-.5230	-.4901	-.4371	-.4599	-.4705

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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MACH (7) = .880 PT (1) = 12.250

(REXP16)

AVES 11-97-010 OS8A.B SF1 + PA3 + BRA

SECTION: (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-18.500	-.3969	-.3954	-.3881	-.3980	-.4117
-17.500			-.3695		
-16.500	-.3362	-.3195	-.3342	-.3705	-.3420
-15.500			-.3100		
-14.500	-.2776	-.2892	-.2969	-.3052	-.2819
-13.500			-.2255		
-12.500	-.2232	-.2152	-.2217	-.2141	-.2233
-11.500			-.1932		
-10.500	-.1322	-.1321	-.1604	-.1573	-.1726
-9.500			-.1596		
-8.500	-.0908	-.1495	-.1485	-.1252	-.1163
-7.500			-.1195		
-6.500	-.0622	-.0942	-.0963	-.1086	-.0721
-5.500			-.0730		
-4.500	-.0365	-.0515	-.0566	-.0473	-.0402
-3.500			-.0526		
-2.500	-.0184	-.0262	-.0353	-.0327	-.0197
-1.500			-.0352		
-.500	-.0037	-.0007	-.0089	-.0056	-.0031
.500			-.0101		
1.500	.0085	.0033	-.0056	.0134	.0073
2.500			.0036		
3.500	.0137	.0134	.0096	.0167	.0190
4.500			.0129		
5.500	.0174	.0167	.0143	.0223	.0168
6.500			.0225		
7.500	.0180	.0172	.0257	.0213	-.0053
8.500			.0262		
9.500	.0210	.0122	.0274	.0237	.0204
10.500			.0232		
11.500	.0239	.0222	.0314	.0320	.0244
12.500			.0300		
13.500	.0183	.0226	.0173	.0305	.0220
14.500			.0271		
15.500	.0196	.0164	.0268	.0248	.0165
16.500			.0239		
17.500	.0158	.0132	.0269	.0145	.0800
18.500			.0191		
19.500	.0131	.0177	.0163	.0104	-.2110
20.500			.0198		
21.500	.0043	.0085	-.0040	-.0007	-.0019
22.500			-.0049		
23.500	-.0092	-.0267	-.0261	-.0056	-.0053
24.500			-.0456		
25.500	-.0224	-.0687	-.0459	-.0181	-.0166

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 168

AMES 11-97-010 058A,B SF1 + PA3 + BRA

(REXP16)

MACH (7) = .880 PT (1) = 12.250

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X

26.500 -.0223 -.0234 -.0352
27.500 -.0292 -.0242 -.0157

MACH (8) = .904 PT (1) = 12.250 RN/L = 3.4880 Q(PS1) = 4.1150 P = 7.2350

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X

-28.500	-.6837	-.6354	-.6294	-.6435	-.6668
-27.500			-.6254		
-26.500	-.6394	-.5984	-.5869	-.5966	-.6240
-25.500			-.5625		
-24.500	-.5692	-.5529	-.5413	-.5474	-.5787
-23.500			-.4538		
-22.500	-.5090	-.4921	-.4665	-.5014	-.5166
-21.500			-.4333		
-20.500	-.4447	-.3803	-.4078	-.4258	-.4499
-19.500			-.3989		
-18.500	-.3729	-.3470	-.3770	-.3673	-.3902
-17.500			-.3660		
-16.500	-.3047	-.3037	-.3413	-.3454	-.3156
-15.500			-.2367		
-14.500	-.2451	-.2172	-.2227	-.3020	-.2488
-13.500			-.2327		
-12.500	-.1968	-.1935	-.1335	-.2382	-.1737
-11.500			-.1646		
-10.500	-.1256	-.1481	-.0868	-.1462	-.1236
-9.500			-.0704		
-8.500	-.0847	-.1053	-.1047	-.0893	-.1098
-7.500			-.0429		
-6.500	-.0569	-.0509	-.0216	-.0373	-.0752
-5.500			-.0100		
-4.500	-.0266	-.0552	-.0282	-.0408	-.0497
-3.500			-.0559		
-2.500	-.0029	-.0157	-.0366	-.0249	-.0227
-1.500			-.0390		
-.500	.0015	.0005	-.0088	-.0008	-.0062
.500			.0032		
1.500	.0137	.0135	.0123	.0158	.0155
2.500			.0143		
3.500	.0151	.0170	.0124	.0284	.0244
4.500			.0166		
5.500	.0179	.0235	.0235	.0310	.0223

(REXP16)

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (8) = .901 PT (1) = 12.250 AMES 11-97-810 058A.8 SF1 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
6.500			.0224	.0325	-.0174
7.500	.0191	.0387	.0268		
8.500			.0244		
9.500	.0194	.0235	.0235	.0376	.0212
10.500			.0209		
11.500	.0259	.0215	.0358	.0361	.0325
12.500			.0346		
13.500	.0157	.0259	.0268	.0302	.0298
14.500			.0367		
15.500	.0176	.0223	.0325	.0229	.0199
16.500			.0302		
17.500	.0155	.0253	.0316	.0214	.0000
18.500			.0289		
19.500	.0140	.0241	.0226	.0157	-.2351
20.500			.0215		
21.500	.0039	.0162	.0010	.0083	.0042
22.500			.0029		
23.500	-.0130	-.0249	-.0249	-.0038	.0003
24.500			-.0622		
25.500	-.0329	-.0961	-.0704	-.0192	-.0162
26.500			-.0508		
27.500	-.0395	-.0491	-.0400	-.0318	-.0197

MACH (9) = .920 PT (1) = 12.250 RN/L = 3.5070 O(PS1) = 4.1980 P = 7.0930

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-28.500			-.5987	-.6657	-.7120
-27.500	-.7682	-.6500	-.5119		
-26.500			-.5690	-.6263	-.6545
-25.500	-.6960	-.5987	-.5355		
-24.500			-.4502	-.5040	-.5968
-23.500	-.6149	-.5215	-.4346		
-22.500			-.3961	-.4362	-.5239
-21.500	-.5376	-.4126	-.3816		
-20.500			-.2932	-.3540	-.4531
-19.500	-.4431	-.3301	-.2906		
-18.500			-.1946	-.2708	-.3822
-17.500	-.3624	-.2656	-.1573		
-16.500			-.1481	-.2128	-.3075
-15.500	-.2696	-.1949	-.1527		
-14.500			-.1559	-.1836	-.2433

AMES 11-97-010 OS8A.B SF1 ♦ PA3 ♦ BRA

(REF ID: A66087)

MACH (9) = .920

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	X	-13.5000	-6.5000	7.5000	6.5000	13.5000
-13.500	-13.500					
-12.500	-13.500					
-11.500	-13.500					
-10.500	-13.500					
-9.500	-13.500					
-8.500	-13.500					
-7.500	-13.500					
-6.500	-13.500					
-5.500	-13.500					
-4.500	-13.500					
-3.500	-13.500					
-2.500	-13.500					
-1.500	-13.500					
-.500	-13.500					
1.500	-13.500					
2.500	-13.500					
3.500	-13.500					
4.500	-13.500					
5.500	-13.500					
6.500	-13.500					
7.500	-13.500					
8.500	-13.500					
9.500	-13.500					
10.500	-13.500					
11.500	-13.500					
12.500	-13.500					
13.500	-13.500					
14.500	-13.500					
15.500	-13.500					
16.500	-13.500					
17.500	-13.500					
18.500	-13.500					
19.500	-13.500					
20.500	-13.500					
21.500	-13.500					
22.500	-13.500					
23.500	-13.500					
24.500	-13.500					
25.500	-13.500					
26.500	-13.500					
27.500	-13.500					

(REXP16)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AVES 11-97-010' 058A.B SF1 ↑ PA3 + BRA

MACH (10) = .939 PT (1) ↑ 12.250

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500
	.0660	.0710	.0444	.0000								
	.0391	.0548	.0679	.0450	-.2549							
	.0391	.0572	.0720	.0760	.0165							
	.0289	.0586	.0465	.0260	.0165							
	.0013	.0062	.0390	-.0201	-.0002							
	-.0541	-.2289	-.1148	-.0652	-.0314							
	-.1484	-.2625	-.2418	-.1624	-.0521							

MACH (11) = .955 PT (1) = 12.240 RV/L = 3.5240 Q(P51) = 4.3480 P = 6.8130

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500	-7.500	-6.500	-5.500	-4.500
	-.8237	-.8219	-.8260	-.8004	-.7874																				
	-.7022	-.7431	-.7638	-.7306	-.6698																				
	-.6495	-.7036	-.6701	-.6708	-.6657																				
	-.5348	-.6159	-.5613	-.6112	-.6084																				
	-.5512	-.4420	-.3815	-.4408	-.4970																				
	-.3854	-.2436	-.2276	-.2578	-.3755																				
	-.2024	-.1310	-.1323	-.1237	-.2471																				
	-.0734	-.0547	-.0536	-.0594	-.1417																				
	.0102	.0139	.0069	-.0045	-.0529																				
	.0476	.0541	.0265	.0105	-.0073																				
	.0786	.0801	.0829	.0617	.0507																				
	.0869	.0857	.0875	.0942	.0766																				
	.0930	.0821	.0948	.0797	.0863																				

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DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 173

AMES 11-97-010 058A.B SF1 + PA3 + BRA

(REXP16)

MACH (1) = .955 PT (1) = 12.240

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-3.500	.0855	.0826	.0969	.0872	.0862
-2.500			.0936		
-1.500	.0783	.0747	.0764	.0897	.0853
-.500			.0815		
1.500	.0716	.0778	.0798	.0829	.0834
2.500			.0730		
3.500	.0612	.0630	.0755	.0756	.0815
4.500			.0735		
5.500	.0513	.0529	.0639	.0670	.0708
6.500			.0583		
7.500	.0480	.0504	.0553	.0631	-.0133
8.500			.0613		
9.500	.0488	.0380	.0642	.0642	.0573
10.500			.0611		
11.500	.0517	.0474	.0513	.0651	.0659
12.500			.0649		
13.500	.0442	.0536	.0632	.0685	.0554
14.500			.0557		
15.500	.0499	.0509	.0719	.0616	.0505
16.500			.0694		
17.500	.0505	.0668	.0904	.0603	.0300
18.500			.0968		
19.500	.0581	.0835	.0858	.0606	-.2681
20.500			.0834		
21.500	.0500	.0955	.0937	.0411	.0254
22.500			.0744		
23.500	.0171	.0313	.0658	.0120	.0093
24.500			.0114		
25.500	-.0399	-.2118	-.0871	-.0503	-.0357
26.500			-.2249		
27.500	-.1738	-.4214	-.2755	-.1933	-.0983
			-.3634		

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 174

AMES 11-97-010 OS8A,B SF1 + PA3 + BRA

(REXP17) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280
P = 8.8310

MACH (1) = .702 PT (1) = 12.270 RV/L = 3.1300 Q(PS1) = 3.0480

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.4455	-.4391	-.4184	-.4625	-.4517
-27.500			-.3649		
-26.500	-.3287	-.3462	-.3085	-.3448	-.3375
-25.500			-.2661		
-24.500	-.2460	-.2293	-.2240	-.2572	-.2597
-23.500			-.1915		
-22.500	-.1956	-.1501	-.1715	-.1913	-.1962
-21.500			-.1558		
-20.500	-.1523	-.1204	-.1347	-.1311	-.1505
-19.500			-.1116		
-18.500	-.1259	-.1045	-.1037	-.0961	-.1258
-17.500			-.0927		
-16.500	-.1073	-.0951	-.0822	-.0782	-.1001
-15.500			-.0724		
-14.500	-.0885	-.0777	-.0704	-.0654	-.0829
-13.500			-.0622		
-12.500	-.0736	-.0607	-.0615	-.0521	-.0695
-11.500			-.0680		
-10.500	-.0679	-.0527	-.0664	-.0567	-.0567
-9.500			-.0475		
-8.500	-.0576	-.0598	-.0489	-.0466	-.0458
-7.500			-.0474		
-6.500	-.0537	-.0526	-.0472	-.0430	-.0406
-5.500			-.0433		
-4.500	-.0452	-.0444	-.0507	-.0352	-.0362
-3.500			-.0344		
-2.500	-.0410	-.0417	-.0357	-.0412	-.0384
-1.500			-.0432		
-.500	-.0406	-.0390	-.0336	-.0332	-.0345
.500			-.0333		
1.500	-.0374	-.0372	-.0400	-.0305	-.0290
2.500			-.0365		
3.500	-.0374	-.0437	-.0379	-.0360	-.0252
4.500			-.0421		
5.500	-.0380	-.0428	-.0406	-.0348	-.0277
6.500			-.0453		
7.500	-.0325	-.0397	-.0381	-.0346	-.0007
8.500			-.0306		
9.500	-.0290	-.0471	-.0308	-.0296	-.0245
10.500			-.0378		
11.500	-.0240	-.0376	-.0219	-.0225	-.0237

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ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB

AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

(REXP17)

MACH (1) = .702 PT (1) = 12.270

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X
12.500 -.0207
13.500 -.0297 -.0365 -.0318 -.0219 -.0281
14.500 -.0203
15.500 -.0225 -.0300 -.0297
16.500 -.0199
17.500 -.0277 -.0320 -.0243 -.0338 .0000
18.500 -.0249
19.500 -.0310 -.0281 -.0316 -.0344 -.3345
20.500 -.0301
21.500 -.0341 -.0376 -.0569 -.0394 -.0358
22.500 -.0462
23.500 -.0390 -.0648 -.0647 -.0372 -.0382
24.500 -.0901
25.500 -.0428 -.0729 -.0785 -.0466 -.0407
26.500 -.0533
27.500 -.0321 -.0362 -.0432 -.0374 -.0367

MACH (2) = .751 PT (1) = 12.270 RN/L = 3.2560 O(PS1) = 3.3340 P = 8.4380

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X
-29.500 -.6351 -.5901 -.5856 -.6156 -.6256
-27.500 -.5692
-26.500 -.5088 -.5045 -.5285 -.5349 -.5120
-25.500 -.4702
-24.500 -.3897 -.3833 -.4364 -.4243 -.4143
-23.500 -.3525
-22.500 -.2944 -.3208 -.3038 -.3242 -.3224
-21.500 -.2810
-20.500 -.2132 -.2295 -.2246 -.2593 -.2479
-19.500 -.2103
-18.500 -.1575 -.1330 -.1500 -.1624 -.1793
-17.500 -.1259
-16.500 -.1197 -.1056 -.1239 -.1254 -.1309
-15.500 -.1048
-14.500 -.0906 -.0804 -.0836 -.0893 -.0953
-13.500 -.0684
-12.500 -.0697 -.0604 -.0626 -.0529 -.0681
-11.500 -.0622
-10.500 -.0588 -.0455 -.0548 -.0373 -.0494
-9.500 -.0377
-8.500 -.0459 -.0444 -.0349 -.0261 -.0371

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 176

AMES 11-97-010 OS8A.B SFI + PA3 + BRA

(REXP17)

MACH (2) = .751 PT (1) = 12.270

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500			-.0326		
-6.500	-.0404	-.0389	-.0346	-.0167	-.0278
-5.500			-.0286		
-4.500	-.0329	-.0395	-.0340	-.0185	-.0196
-3.500			-.0267		
-2.500	-.0299	-.0334	-.0215	-.0257	-.0208
-1.500			-.0231		
-.500	-.0334	-.0300	-.0185	-.0219	-.0177
.500			-.0230		
1.500	-.0322	-.0197	-.0219	-.0237	-.0161
2.500			-.0200		
3.500	-.0293	-.0248	-.0171	-.0219	-.0093
4.500			-.0204		
5.500	-.0293	-.0309	-.0219	-.0259	-.0111
6.500			-.0319		
7.500	-.0262	-.0264	-.0263	-.0257	-.0060
8.500			-.0182		
9.500	-.0205	-.0348	-.0197	-.0238	-.0148
10.500			-.0263		
11.500	-.0178	-.0227	-.0179	-.0182	-.0191
12.500			-.0144		
13.500	-.0226	-.0222	-.0279	-.0142	-.0233
14.500			-.0182		
15.500	-.0222	-.0261	-.0196	-.0200	-.0252
16.500			-.0075		
17.500	-.0233	-.0223	-.0081	-.0268	.0000
18.500			-.0130		
19.500	-.0220	-.0233	-.0175	-.0290	-.3150
20.500			-.0174		
21.500	-.0267	-.0345	-.0515	-.0344	-.0334
22.500			-.0426		
23.500	-.0341	-.0593	-.0644	-.0415	-.0359
24.500			-.0830		
25.500	-.0396	-.0767	-.0795	-.0507	-.0393
26.500			-.0533		
27.500	-.0306	-.0382	-.0407	-.0363	-.0337

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

(REXP17)

ANES 11-97-010 OSBA.B SF1 + PA3 + BRA

P = 8.0310

Q(PS1) = 3.6150

RN/L = 3.3658

(1) = 12.260

PT = .802

MACH (3) =

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	-.6766	-.6401	-.6295	-.6553	-.6641
-27.500				-.6446		
-26.500	-.6143	-.5691	-.5677	-.5931	-.6050	
-25.500			-.5465			
-24.500	-.5319	-.4902	-.5217	-.5455	-.5363	
-23.500			-.4453			
-22.500	-.4427	-.4221	-.4094	-.4552	-.4500	
-21.500			-.3997			
-20.500	-.3507	-.3379	-.3373	-.3747	-.3591	
-19.500			-.3247			
-18.500	-.2752	-.2961	-.2937	-.3209	-.3015	
-17.500			-.2314			
-16.500	-.2050	-.2074	-.1939	-.2016	-.2203	
-15.500			-.1685	-.1685	-.1566	
-14.500	-.1443	-.1506	-.1484			
-13.500			-.0940			
-12.500	-.1016	-.0868	-.1049	-.0979	-.1146	
-11.500			-.1067			
-10.500	-.0702	-.0601	-.0854	-.0602	-.0761	
-9.500			-.0628			
-8.500	-.0469	-.0366	-.0580	-.0380	-.0417	
-7.500			-.0403			
-6.500	-.0313	-.0259	-.0353	-.0213	-.0223	
-5.500			-.0252			
-4.500	-.0184	-.0147	-.0174	-.0071	-.0102	
-3.500			-.0087			
-2.500	-.0116	-.0064	-.0044	-.0072	-.0081	
-1.500			-.0065			
-.500	-.0064	-.0035	-.0010	.0014	-.0048	
.500			-.0004			
1.500	-.0046	.0042	-.0019	.0098	-.0037	
2.500			.0004			
3.500	-.0061	-.0040	.0038	.0019	.0025	
4.500			-.0013			
5.500	-.0085	-.0065	.0020	-.0006	.0041	
6.500			.0025			
7.500	-.0085	-.0023	.0021	.0007	-.0067	
8.500			.0045			
9.500	-.0051	-.0123	.0028	.0025	.0027	
10.500			-.0041			
11.500	-.0033	-.0043	.0093	.0044	.0051	
12.500			.0093			
13.500	-.0098	-.0044	-.0048	.0015	.0005	
14.500			.0059			
15.500	-.0095	-.0085	.0010	-.0020	-.0034	

(REXP17)

SECTION : I PANEL

DEPENDENT VARIABLE CP

✕

MACH (4) = .817 PT (1) = 12.240 RNVL = 3.3790 O(PS1) = 3.6890 P = 7.8930

SECTION 11 PANEL

DEPENDENT VARIABLE CP

x

-28.500	-.6768	-.6485	-.6368	-.6644	-.6722
-27.500			-.6456		
-26.500	-.6152	-.5901	-.5927	-.5941	-.6188
-25.500			-.5997		
-24.500	-.5363	-.5412	-.5099	-.5512	-.5596
-23.500			-.4952		
-22.500	-.4680	-.4640	-.4634	-.4890	-.4830
-21.500			-.4360		
-20.500	-.3839	-.4135	-.3798	-.4414	-.4184
-19.500			-.3500		
-18.500	-.3116	-.3589	-.3306	-.3553	-.3300
-17.500			-.2859		
-16.500	-.2449	-.2633	-.2271	-.2843	-.2599
-15.500			-.2205	-.2079	-.2022
-14.500	-.1775	-.1883	-.1864		
-13.500			-.1372	-.1329	-.1528
-12.500	-.1365	-.1359	-.0962	-.0869	-.1072
-11.500			-.1048		
-10.500	-.0813	-.1119	-.0939		
-9.500			-.0863		
-8.500	-.0498	-.0724	-.0551	-.0717	-.0644
-7.500			-.0355		
-6.500	-.0318	-.0481	-.0429	-.0515	-.0358
-5.500			-.0356		
-4.500	-.0167	-.0336	-.0271	-.0105	-.0198

(REXP17)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
AMES 11-97-010 OSBA,B SF1 + PA3 + BRA

MACH (4) = .817 PT (1) = 12.240

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-3.500	-.0090	-.0136	-.0129	-.0072	-.0107
-2.500			-.0101		
-1.500			-.0085		
-.500	-.0058	-.0005	.0041	.0051	-.0014
.500			.0051		
1.500	.0002	.0047	.0044	.0101	.0025
2.500			.0062		
3.500	.0018	.0066	.0082	.0134	.0096
4.500			.0064		
5.500	-.0011	.0042	.0055	.0126	.0062
6.500			-.0006		
7.500	-.0014	.0077	.0076	.0099	-.0037
8.500			.0092		
9.500	-.0029	-.0055	.0101	.0124	.0049
10.500			.0028		
11.500	.0032	.0017	.0114	.0128	.0051
12.500			.0146		
13.500	-.0048	.0046	.0028	.0114	.0005
14.500			.0141		
15.500	-.0040	.0015	.0134	.0042	-.0018
16.500			.0080		
17.500	-.0060	.0008	.0052	-.0059	.0000
18.500			.0002		
19.500	-.0105	-.0025	-.0029	-.0082	-.2554
20.500			-.0032		
21.500	-.0171	-.0106	-.0332	-.0138	-.0162
22.500			-.0321		
23.500	-.0242	-.0405	-.0593	-.0189	-.0195
24.500			-.0785		
25.500	-.0347	-.0666	-.0713	-.0268	-.0278
26.500			-.0438		
27.500	-.0320	-.0358	-.0367	-.0338	-.0254

MACH (5) = .839 PT (1) = 12.260 RM/L = 3.4160 O(PS1) = 3.8130 P = 7.7310

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-28.500	-.6665	-.6470	-.6358	-.6432	-.6613
-27.500			-.6511		
-26.500	-.6215	-.5926	-.5850	-.5925	-.6154
-25.500			-.5711		
-24.500	-.5574	-.5539	-.5576	-.5583	-.5635

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 190

MACH (5) = .839 PT (1) = 12.260

(REXP17)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-23.500			-.5329		
-22.500	-.4949	-.4698	-.4997	-.5098	-.5001
-21.500			-.4765		
-20.500	-.4170	-.4225	-.4377	-.4476	-.4334
-19.500			-.4016		
-18.500	-.3420	-.3798	-.3525	-.3807	-.3698
-17.500			-.3203		
-16.500	1.2758	-.2919	-.2771	-.3175	-.2959
-15.500			-.2556		
-14.500	-.2087	-.2330	-.2449	-.2423	-.2378
-13.500			-.2157		
-12.500	-.1549	-.1637	-.1815	-.1794	-.1881
-11.500			1.1673		
-10.500	-.1050	-.1192	-.1486	-.1391	-.1301
-9.500			-.1144		
-8.500	-.0696	-.0979	-.0690	-.0860	-.0912
-7.500			-.0693		
-6.500	-.0445	-.0641	-.0555	-.0602	-.0595
-5.500			-.0409		
-4.500	-.0252	-.0394	-.0296	-.0215	-.0322
-3.500			-.0315		
-2.500	-.0140	-.0145	-.0118	-.0038	-.0136
-1.500			-.0115		
-.500	-.0055	-.0058	-.0048	.0055	-.0008
.500			.0039		
1.500	-.0006	.0061	.0045	.0152	.0064
2.500			.0121		
3.500	.0032	.0066	.0163	.0173	.0121
4.500			.0194		
5.500	.0045	.0069	.0187	.0127	.0100
6.500			.0087		
7.500	.0040	.0087	.0156	.0131	-.0081
8.500			.0176		
9.500	.0080	.0042	.0142	.0197	.0121
10.500			.0078		
11.500	.0124	.0093	.0186	.0249	.0138
12.500			.0221		
13.500	.0042	.0030	.0137	.0205	.0092
14.500			.0123		
15.500	.0074	-.0041	.0062	.0140	.0042
16.500			.0170		
17.500	.0034	.0007	.0124	.0079	.0000
18.500			.0076		
19.500	-.0006	.0010	.0045	.0029	-.2453
20.500			.0016		

ORIGINAL PAGE IS
OF POOR QUALITY

(REXP17)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

MACH (5) = .839 PT (1) = 12.260

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	21.500	22.500	23.500	24.500	25.500	26.500	27.500
	-.0063	.0022	-.0196	-.0054	-.0080		
		-.0192	-.0442	-.0138	-.0111		
	-.0187	-.0325	-.0641	-.0221	-.0213		
	-.0271	-.0541	-.0639	-.0379	-.0207		
	-.0262	-.0315	-.0361	-.0344			

MACH (6) = .859 PT (1) = 12.260 RV/L = 3.4350 Q(PSI) = 3.9130 P = 7.5690

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500	-7.500	-6.500	-5.500	-4.500	-3.500	-2.500	-1.500	-.500
	-.6589	-.6383	-.6331	-.6555	-.6386																								
	-.6231	-.5967	-.5938	-.6023	-.6064																								
	-.5664	-.5607	-.5509	-.5617	-.5699																								
	-.5078	-.5066	-.5013	-.5046	-.5163																								
	-.4403	-.4512	-.4282	-.4595	-.4545																								
	-.3675	-.3948	-.3782	-.3786	-.4058																								
	-.2950	-.2958	-.2788	-.2850	-.3392																								
	-.2275	-.2397	-.2725	-.2557	-.2771																								
	-.1729	-.1581	-.1711	-.2272	-.2131																								
	-.1298	-.1198	-.1544	-.1795	-.1500																								
	-.0861	-.0913	-.1129	-.1314	-.0947																								
	-.0588	-.0764	-.0852	-.0824	-.0528																								
	-.0330	-.0430	-.0477	-.0210	-.0267																								
	-.0129	-.0167	-.0182	-.0130	-.0097																								
	-.0076	-.0073	-.0206	-.0011	-.0034																								

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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MACH (6) = .859 PT (1) = 12.260

(REXP17)

AVES 11-97-01C 058A,B SF1 + PA3 + BRA

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	1.500	2.500	3.500	4.500	5.500	6.500	7.500	8.500	9.500	10.500	11.500	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500		
CP	.0023	.0053	.0064	.0074	.0087	.0093	.0131	.0081	.0140	.0183	.0101	.0105	.0081	.0116	.0115	.0030	.0049	.0021	.0015	.0032	.0083	.0159	.0376	.0549	.0562	.0418	.0298	.0246	.0238
RV/L	.0006	.0094	.0054	.0097	.0131	.0169	.0200	.0245	.0241	.0247	.0225	.0081	.0178	.0137	.0200	.0141	.0122	.0097	.0167	.0032	.0083	.0159	.0376	.0549	.0562	.0418	.0298	.0246	.0238

MACH (7) = .880 PT (1) = 12.250 RV/L = 3.4650 Q(PS1) = 4.0110 P = 7.4070

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	1.500	2.500	3.500	4.500	5.500	6.500	7.500	8.500	9.500	10.500	11.500	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500		
CP	.0023	.0053	.0064	.0074	.0087	.0093	.0131	.0081	.0140	.0183	.0101	.0105	.0081	.0116	.0115	.0030	.0049	.0021	.0015	.0032	.0083	.0159	.0376	.0549	.0562	.0418	.0298	.0246	.0238
RV/L	.0006	.0094	.0054	.0097	.0131	.0169	.0200	.0245	.0241	.0247	.0225	.0081	.0178	.0137	.0200	.0141	.0122	.0097	.0167	.0032	.0083	.0159	.0376	.0549	.0562	.0418	.0298	.0246	.0238

(REXP17)

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77 TABULATED SOURCE DATA - Q58
 MACH (7) = .880 PT (1) = 12.250
 AMES 11-97-G10 OS8A.B SFI + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-18.500	-.3750	-.3515	-.3744	-.4072	-.4097
-17.500			-.3634		
-16.500	-.3057	-.2867	-.3488	-.3504	-.3477
-15.500			-.2943		
-14.500	-.2401	-.2786	-.2750	-.2702	-.2849
-13.500			-.2477		
-12.500	-.1950	-.2161	-.2627	-.2276	-.2190
-11.500			-.2262		
-10.500	-.1563	-.1352	-.1888	-.1840	-.1638
-9.500			-.1710		
-8.500	-.1035	-.1054	-.1494	-.1197	-.1099
-7.500			-.1277		
-6.500	-.0662	-.0743	-.0900	-.0759	-.0701
-5.500			-.0917		
-4.500	-.0347	-.0395	-.0416	-.0550	-.0454
-3.500			-.0556		
-2.500	-.0166	-.0261	-.0249	-.0077	-.0237
-1.500			-.0071		
-.500	-.0031	-.0172	-.0040	-.0029	-.0059
.500			.0061		
1.500	.0067	.0112	.0015	.0131	.0079
2.500			.0138		
3.500	.0098	.0153	.0157	.0222	.0190
4.500			.0184		
5.500	.0128	.0126	.0238	.0233	.0208
6.500			.0161		
7.500	.0143	.0181	.0202	.0234	-.0025
8.500			.0249		
9.500	.0158	.0174	.0267	.0282	.0244
10.500			.0232		
11.500	.0205	.0247	.0280	.0324	.0228
12.500			.0289		
13.500	.0140	.0230	.0194	.0299	.0205
14.500			.0260		
15.500	.0171	.0160	.0262	.0233	.0159
16.500			.0247		
17.500	.0134	.0162	.0214	.0172	.0000
18.500			.0148		
19.500	.0128	.0174	.0138	.0141	-.2201
20.500			.0140		
21.500	.0030	.0051	-.0022	.0036	-.0040
22.500			-.0037		
23.500	-.0050	-.0283	-.0314	-.0074	-.0093
24.500			-.0516		
25.500	-.0212	-.0648	-.0517	-.0240	-.0215

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

(REXP17)

AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

MACH (7) = .880 PT (1) = 12.250

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

26.500 -.0373
27.500 -.0251 -.0382 -.0279 -.0193 -.0237

MACH (8) = .900 PT (1) = 12.260 RN/L = 3.4890 Q(PS1) = 4.1090 P = 7.2500

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.6942	-.6410	-.6333	-.6431	-.6728
-27.500			-.6196		
-26.500	-.6394	-.5893	-.5996	-.6108	-.6279
-25.500			-.5785		
-24.500	-.5720	-.5389	-.5659	-.5595	-.5780
-23.500			-.5044		
-22.500	-.5107	-.4928	-.4909	-.4966	-.5208
-21.500			-.4847		
-20.500	-.4116	-.4007	-.4556	-.4115	-.4653
-19.500			-.3912		
-18.500	-.3453	-.2725	-.4065	-.3866	-.3932
-17.500			-.3828		
-16.500	-.2889	-.2523	-.3229	-.3271	-.3220
-15.500			-.3415		
-14.500	-.2340	-.2255	-.1724	-.2246	-.2506
-13.500			-.2020		
-12.500	-.1880	-.1716	-.1604	-.2043	-.1876
-11.500			-.1190		
-10.500	-.1373	-.1150	-.0976	-.1973	-.1333
-9.500			-.0840		
-8.500	-.0960	-.0913	-.1050	-.1373	-.0671
-7.500			-.1148		
-6.500	-.0567	-.0323	-.0721	-.0686	-.0317
-5.500			-.0226		
-4.500	-.0262	-.0219	-.0275	-.0896	-.0088
-3.500			-.0015		
-2.500	-.0141	-.0190	-.0146	-.0655	.0002
-1.500			-.0132		
-.500	.0019	-.0075	.0077	-.0241	.0065
.500			.0003		
1.500	.0097	.0087	.0182	.0051	.0171
2.500			.0241		
3.500	.0134	.0136	.0250	.0167	.0229
4.500			.0262		
5.500	.0160	.0184	.0230	.0265	.0244

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8
AMES 11-97-010 OS8A.B SF1 + PA3 + BRA

(REXP17)

MACH (8) = .900 PT (1) = 12.260

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.5000	-6.5000	-5.000	6.5000	13.5000
6.500	.0275	.0286	.0106		
7.500	.0352	.0346	.0292	.0245	
8.500	.0304	.0257	.0317	.0272	
9.500	.0231	.0322	.0253	.0226	
10.500	.0331	.0349	.0334	.0256	.0170
11.500	.0257	.0406	.0373	.0187	.0000
12.500	.0322	.0352	.0292	.0122	-.2278
13.500	.0349	.0248	.0015	.0045	.0031
14.500	.0334	-.0029	-.0378	-.0083	-.0047
15.500	.0406	-.0730	-.0858	-.0203	-.0163
16.500	.0373	-.0555	-.0364	-.0291	-.0160
17.500	.0352				
18.500	.0292				
19.500	.0174				
20.500	.0049				
21.500	-.0128				
22.500	-.0320				
23.500	-.0139				
24.500	-.0301				
25.500	-.1165				
26.500	-.0350				
27.500	-.0496				

MACH (9) = .918 PT (1) = 12.250 RV/L = 3.5050 Q(PS1) = 4.1920 P = 7.1020

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.5000	-6.5000	-5.000	6.5000	13.5000
-28.500	-.7621	-.6408	-.5848	-.6604	-.7192
-27.500	-.5003	-.5811	-.6277	-.6582	
-26.500	-.6919	-.5950	-.5569	-.5308	-.5957
-25.500	-.6054	-.4983	-.4548	-.4536	-.5208
-24.500	-.5273	-.4159	-.3641	-.3991	-.4418
-23.500	-.4387	-.3542	-.3366	-.2708	-.3963
-22.500	-.3615	-.2553	-.2123	-.2874	-.3254
-21.500	-.2804	-.1849	-.1680	-.2209	-.2506
-20.500	-.2050	-.1409	-.1146	-.2020	-.2506

(REXP17)

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
 MACH (9) = .918 PT (1) = 12.250
 AMES 11-97-010 056A.8 SF1 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-13.500	-.1331	-.0836	-.0967	-.0912	-.1748
-12.500			-.0736		
-11.500	-.0655	-.0453	-.1185	-.0646	-.1085
-10.500			-.0801		
-9.500	-.0196	-.0192	-.0368	-.0366	-.0791
-8.500			-.0148		
-7.500	.0103	-.0034	-.0102	-.0107	-.0383
-6.500			-.0060		
-5.500	.0280	.0193	.0083	.0166	-.0061
-4.500			.0342		
-3.500	.0354	.0267	.0214	.0255	.0171
-2.500			.0233		
-1.500	.0384	.0261	.0179	.0402	.0334
-.500			.0295		
1.500	.0400	.0288	.0250	.0419	.0419
2.500			.0321		
3.500	.0369	.0227	.0288	.0410	.0474
4.500			.0290		
5.500	.0344	.0205	.0273	.0401	.0416
6.500			.0270		
7.500	.0325	.0255	.0324	.0367	-.0099
8.500			.0361		
9.500	.0311	.0144	.0369	.0407	.0392
10.500			.0252		
11.500	.0321	.0250	.0387	.0146	.0401
12.500			.0424		
13.500	.0240	.0286	.0299	.0399	.0333
14.500			.0442		
15.500	.0271	.0264	.0390	.0283	.0267
16.500			.0453		
17.500	.0258	.0364	.0468	.0235	.0000
18.500			.0456		
19.500	.0244	.0405	.0469	.0217	-.2150
20.500			.0466		
21.500	.0116	.0372	.0116	.0039	.0036
22.500			.0157		
23.500	-.0039	-.0290	-.0413	-.0151	-.0066
24.500			-.1184		
25.500	-.0471	-.1286	-.1947	-.0457	-.0266
26.500			-.1319		
27.500	-.0649	-.1027	-.0659	-.0688	-.0301

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AMES 11-97-010 OS8A.8 SF1 + PA3 + BRA (EXP17)

MACH (10) = .939 PT (1) = 12.250 RN/L = 3.5200 Q(PSI) = 4.2810 P = 6.9400

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.7974	-.7861	-.8063	-.7249	-.7108
-27.500			-.5201		
-26.500	-.7155	-.7690	-.7286	-.7013	-.6829
-25.500			-.6606		
-24.500	-.6455	-.6750	-.5610	-.5876	-.6306
-23.500			-.4624		
-22.500	-.5598	-.4205	-.3926	-.4647	-.5508
-21.500			-.3369		
-20.500	-.4581	-.2928	-.2800	-.3844	-.4604
-19.500			-.2425		
-18.500	-.3544	.2048	-.1992	-.2711	-.4000
-17.500			-.1523		
-16.500	-.2738	-.1512	-.1261	-.2089	-.3168
-15.500			-.0887		
-14.500	-.1904	-.0898	-.0638	-.1104	-.2416
-13.500			-.0371		
-12.500	-.1193	-.0775	-.0410	-.0718	-.1602
-11.500			-.0318		
-10.500	-.0494	-.0310	-.0054	-.0599	-.0848
-9.500			.0230		
-8.500	.0085	.0369	-.0041	.0139	-.0345
-7.500			.0118		
-6.500	.0375	.0521	.0178	.0372	.0102
-5.500			.0328		
-4.500	.0607	.0421	.0319	.0579	.0346
-3.500			.0470		
-2.500	.0629	.0472	.0499	.0524	.0524
-1.500			.0409		
-.500	.0514	.0472	.0229	.0639	.0598
1.500			.0443		
2.500	.0630	.0470	.0472	.0627	.0671
3.500			.0472		
4.500	.0538	.0343	.0449	.0533	.0722
5.500			.0420		
6.500	.0478	.0279	.0354	.0521	.0610
7.500			.0392		
8.500	.0421	.0297	.0406	.0519	-.0079
9.500			.0478		
10.500	.0416	.0167	.0446	.0512	.0549
11.500			.0319		
12.500	.0449	.0266	.0487	.0552	.0577
13.500			.0530		
14.500	.0317	.0308	.0406	.0608	.0484
15.500			.0555		
	.0383	.0317	.0523	.0533	.0415

C-4

DATE 22 JAN 77 TABULATED SOURCE AVE. (REXP17)

MACH (10) = .939 PT (1) = 12

SECTION (1) PANEL VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
16.500			.0608		
17.500	.0364	.0489	.0666	.0498	.0000
18.500			.0663		
19.500	.0391	.0610	.0579	.0466	-.2524
20.500			.0687		
21.500	.0294	.0711	.0487	.0247	.0121
22.500			.0475		
23.500	-.0027	.0066	-.0090	-.0087	-.0036
24.500			-.1082		
25.500	-.0509	-.2271	-.2483	-.0635	-.0395
26.500			-.2502		
27.500	-.1276	-.2551	-.2179	-.1540	-.0658

MACH (11) = .956 PT (1) = 12.240 RM/L = 3.5240 P (PS1) = 4.3510 P = 6.8080

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.8232	-.8218	-.8288	-.8077	-.7948
-27.500			-.5037		
-26.500	-.7005	-.7468	-.7721	-.7387	-.6770
-25.500			-.7411		
-24.500	-.6442	-.7086	-.6745	-.6569	-.6699
-23.500			-.6475		
-22.500	-.5828	-.6266	-.5784	-.6032	-.6114
-21.500			-.4792		
-20.500	-.5477	-.4361	-.3710	-.4558	-.5123
-19.500			-.3044		
-18.500	-.3729	-.2598	-.2271	-.2723	-.3859
-17.500			-.1684		
-16.500	-.1887	-.1279	-.1309	-.1414	-.2650
-15.500			-.0819		
-14.500	-.0642	-.0534	-.0414	-.0529	-.1609
-13.500			-.0168		
-12.500	.0155	.0128	.0087	.0025	-.0755
-11.500			.0326		
-10.500	.0497	.0538	.0541	.0409	-.0302
-9.500			.0711		
-8.500	.0799	.0674	.0606	.0590	.0168
-7.500			.0826		
-6.500	.0896	.0894	.0882	.0660	.0558
-5.500			.0846		
-4.500	.0936	.0916	.0807	.0996	.0800

(REXP17)

DATE 22 JAN 77
 TABULATED SOURCE DATA - 058
 AMES 11-97-010 058A.8 SF1 + PA3 + BRA

MACH (11) = .956 PT (1) = 12.240
 SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X					
-3.500	.0824	.0886	.0983	.0751	.0845
-2.500			.0929		
-1.500	.0810	.0801	.0805	.0869	.0855
-.500			.0832		
1.500	.0725	.0755	.0747	.0821	.0838
2.500			.0752		
3.500	.0636	.0611	.0683	.0724	.0847
4.500			.0648		
5.500	.0531	.0509	.0598	.0673	.0732
6.500			.0533		
7.500	.0496	.0510	.0597	.0631	-.0133
8.500			.0631		
9.500	.0478	.0383	.0614	.0677	.0595
10.500			.0496		
11.500	.0504	.0479	.0682	.0688	.0641
12.500			.0684		
13.500	.0441	.0515	.0543	.0674	.0561
14.500			.0719		
15.500	.0511	.0497	.0699	.0577	.0520
16.500			.0817		
17.500	.0499	.0685	.0817	.0583	.0000
18.500			.0842		
19.500	.0565	.0824	.0891	.0609	-.2721
20.500			.0957		
21.500	.0464	.0949	.0733	.0408	.0269
22.500			.0701		
23.500	.0186	.0294	.0067	.0099	.0082
24.500			-.0867		
25.500	-.0405	-.2111	-.2233	-.0501	-.0351
26.500			-.2772		
27.500	-.1759	-.4160	-.3988	-.1971	-.0996

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 058A.B SF1 + PA3 + BRE

(REXP181 (21 JAN 77)

PARAMETRIC DATA

PT = 12.280

P = 8.8510

Q(PS1) = 3.0450

RV/L = 3.1330

(1) = 12.290

PT

.701

MACH (1) =

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.4439	-.4291	-.4370	-.4444	-.4643
-27.500			-.3690		
-26.500	-.3233	-.2973	-.3353	-.3184	-.3448
-25.500			-.2734		
-24.500	-.2355	-.2247	-.2549	-.2446	-.2559
-23.500			-.2113		
-22.500	-.1925	-.1738	-.1846	-.1789	-.1951
-21.500			-.1581		
-20.500	-.1473	-.1272	-.1331	-.1345	-.1538
-19.500			-.1123		
-18.500	-.1305	-.0950	-.0992	-.1080	-.1373
-17.500			-.0881		
-16.500	-.1077	-.0897	-.0854	-.0907	-.1065
-15.500			-.0819		
-14.500	-.0892	-.0709	-.0750	-.0778	-.0846
-13.500			-.0680		
-12.500	-.0772	-.0661	-.0602	-.0637	-.0698
-11.500			-.0656		
-10.500	-.0699	-.0577	-.0698	-.0664	-.0583
-9.500			-.0545		
-8.500	-.0643	-.0620	-.0567	-.0527	-.0535
-7.500			-.0554		
-6.500	-.0588	-.0529	-.0563	-.0460	-.0493
-5.500			-.0448		
-4.500	-.0528	-.0487	-.0545	-.0400	-.0422
-3.500			-.0383		
-2.500	-.0478	-.0460	-.0388	-.0430	-.0455
-1.500			-.0450		
-.500	-.0418	-.0416	-.0383	-.0387	-.0410
.500			-.0348		
1.500	-.0420	-.0391	-.0415	-.0336	-.0334
2.500			-.0376		
3.500	-.0398	-.0436	-.0366	-.0395	-.0278
4.500			-.0432		
5.500	-.0394	-.0405	-.0424	-.0384	-.0325
6.500			-.0431		
7.500	-.0381	-.0420	-.0311	-.0354	-.0875
8.500			-.0224		
9.500	-.0358	-.0465	-.0287	-.0335	-.0301
10.500			-.0364		
11.500	-.0331	-.0447	-.0299	-.0264	-.0282

ORIGINAL PAGE IS
OF POOR QUALITY

(REXP18)

DATE 22 JAN 77
 TABULATED SOURCE DATA - OSB
 AMES 11-97-010 OSBA.B SF1 + PA3 + BRP

MACH (1) = .701 PT (1) = 12.290
 SECTION (1) PANEL
 Y -13.5000 -6.5000 -.5000 6.5000 13.5000
 X
 12.500 -.0275 -.0239 -.0331
 13.500 -.0374 -.0416 -.0386
 14.500 -.0350 -.0394 -.0275
 15.500 -.0312 -.0291 -.0350
 16.500 -.0267 -.0267 -.0000
 17.500 -.0315 -.0297 .0000
 18.500 -.0297 -.0295 -.3058
 19.500 -.0359 -.0280 -.0338
 20.500 -.0280 -.0304 -.0338
 21.500 -.0527 -.0327 -.0387
 22.500 -.0374 -.0303 -.0387
 23.500 -.0367 -.0400 -.0386
 24.500 -.0356 -.0335 -.0322
 25.500 -.0435 -.0424 -.0335
 26.500 -.0309 -.0258 -.0334
 27.500 -.0309 -.0258 -.0334
 MACH (2) = .752 PT (1) = 12.290 RV/L = 3.2670
 O(PS1) = 3.3420 P = 8.4530

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
 -28.500 -.6170 -.5881 -.5660 -.5893 -.6147
 -27.500 -.4912 -.5224 -.4748 -.5361 -.5110
 -26.500 -.3652 -.3923 -.3931 -.4426 -.3991
 -25.500 -.2767 -.3074 -.2866 -.3136 -.3000
 -24.500 -.1977 -.2231 -.2503 -.2070 -.2235
 -23.500 -.1561 -.1445 -.1562 -.1444 -.1747
 -22.500 -.1169 -.1007 -.1134 -.0996 -.1236
 -21.500 -.0897 -.0773 -.0696 -.0738 -.0904
 -20.500 -.0698 -.0623 -.0577 -.0495 -.0661
 -19.500 -.0626 -.0461 -.0560 -.0445 -.0500
 -18.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -17.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -16.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -15.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -14.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -13.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -12.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -11.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -10.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -9.500 -.0527 -.0399 -.0384 -.0253 -.0465
 -8.500 -.0527 -.0399 -.0384 -.0253 -.0465

ORIGINAL PAGE IS
 OF POOR QUALITY

(REXP18)

DATE 22 JAN 77 TABULATED SOURCE DATA - Q58
 MACH (2) = .752 PT (1) = 12.290
 AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

SECTION (1) PANEL DEPENDENT VARIABLE CP
 Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-7.500	-.0455	-.0381	-.0400	-.0198	-.0372
-6.500	-.0379	-.0313	-.0379	-.0148	-.0311
-5.500	-.0366	-.0287	-.0351	-.0206	-.0340
-4.500	-.0346	-.0254	-.0284	-.0210	-.0291
-3.500	-.0308	-.0307	-.0310	-.0171	-.0242
-2.500	-.0298	-.0271	-.0293	-.0190	-.0194
-1.500	-.0278	-.0348	-.0254	-.0263	-.0252
.500	-.0296	-.0339	-.0314	-.0277	-.0090
1.500	-.0280	-.0343	-.0214	-.0221	-.0243
2.500	-.0293	-.0398	-.0307	-.0179	-.0268
3.500	-.0276	-.0329	-.0226	-.0259	-.0300
4.500	-.0351	-.0329	-.0328	-.0284	.0000
5.500	-.0333	-.0306	-.0201	-.0262	-.2932
6.500	-.0331	-.0321	-.0254	-.0218	-.0308
7.500	-.0297	-.0340	-.0336	-.0274	-.0338
8.500	-.0335	-.0417	-.0281	-.0381	-.0385
9.500	-.0351	-.0400	-.0296	-.0388	-.0315
10.500	-.0283	-.0257	-.0357	-.0253	-.0315
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

(REXP181)

AMES 11-97-010 OS8A,B SF1 + PA3 + BR6

9.0550

$$Q(PS!) = 3.6160$$

12.290	RN/L	=	3.3740
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MACH (3) = .801 PT

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

x

28.500	-.6741	-.6415	-.6204	-.6503	-.6510
27.500			-.6267		
26.500	-.5954	-.5751	-.5565	-.5918	-.5860
25.500			-.5306		
24.500	-.4817	-.4926	-.4893	-.5409	-.5089
23.500			-.4147		
22.500	-.3917	-.3539	-.3779	-.4532	-.4165
21.500			-.3754		
20.500	-.2970	-.3163	-.3234	-.3683	-.3331
19.500			-.2942		
18.500	-.2329	-.2532	-.2708	-.2595	-.2831
17.500			-.2407		
16.500	-.1754	-.1866	-.2146	-.2094	-.2074
15.500			-.1738		
14.500	-.1243	-.1185	-.1290	-.1368	-.1472
13.500			-.1185		
12.500	-.0898	-.0824	-.1031	-.0941	-.1040
11.500			-.0872		
10.500	-.0682	-.0550	-.0756	-.0616	-.0650
9.500			-.0509		
8.500	-.0440	-.0323	-.0428	-.0294	-.0429
7.500			-.0388		
6.500	-.0341	-.0235	-.0366	-.0243	-.0256
5.500			-.0233		
4.500	-.0221	-.0155	-.0180	-.0071	-.0153
3.500			-.0134		
2.500	-.0200	-.0121	-.0184	-.0009	-.0146
1.500			-.0155		
.500	-.0159	-.0099	-.0087	-.0022	-.0067
			-.0150		
1.500	-.0147	-.0060	-.0165	-.0023	-.0074
2.500			-.0115		
3.500	-.0167	-.0122	-.0107	-.0057	-.0035
4.500			-.0175		
5.500	-.0187	-.0118	-.0177	-.0122	-.0055
6.500			-.0144		
7.500	-.0176	-.0094	-.0132	-.0094	-.0078
8.500			-.0056		
9.500	-.0152	-.0187	-.0073	-.0084	-.0074
10.500			-.0170		
11.500	-.0147	-.0168	-.0107	-.0068	-.0068
12.500			-.0129		
13.500	-.0225	-.0224	-.0220	-.0003	-.0157
14.500			-.0121		
15.500	-.0200	-.0260	-.0146	-.0129	-.0194

(REXP18)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

MACH (3) = .801 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.5000	-6.5000	-5.000	6.5000	13.5000
16.500			-.0138		
17.500	-.0240	-.0281	-.0204	-.0169	.0000
18.500			-.0203		
19.500	-.0240	-.0286	-.0260	-.0196	-.2000
20.500			-.0214		
21.500	-.0283	-.0401	-.0394	-.0224	-.0247
22.500			-.0187		
23.500	-.0324	-.0388	-.0237	-.0171	-.0297
24.500			-.0254		
25.500	-.0367	-.0413	-.0252	-.0282	-.0334
26.500			-.0259		
27.500	-.0274	-.0216	-.0224	-.0182	-.0285

MACH (4) = .843 PT (1) = 12.280 RV/L = 3.4520 O(PS1) = 3.8370 P = 7.7160

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.5000	-6.5000	-5.000	6.5000	13.5000
-28.500	-.6902	-.6590	-.6420	-.6548	-.6494
-27.500			-.6497		
-26.500	-.6337	-.5920	-.6142	-.6015	-.6137
-25.500			-.5916		
-24.500	-.5581	-.5539	-.5490	-.5468	-.5637
-23.500			-.4970		
-22.500	-.4797	-.4756	-.4677	-.4833	-.4901
-21.500			-.4162		
-20.500	-.3621	-.3825	-.3758	-.4192	-.4137
-19.500			-.3679		
-18.500	-.2993	-.2658	-.3293	-.3525	-.3410
-17.500			-.3061		
-16.500	-.2331	-.2322	-.2503	-.2668	-.2649
-15.500			-.2338		
-14.500	-.1747	-.1803	-.1975	-.1898	-.2027
-13.500			-.1911		
-12.500	-.1265	-.1257	-.1641	-.1538	-.1544
-11.500			-.1347		
-10.500	-.0964	-.0846	-.1068	-.1201	-.1035
-9.500			-.0999		
-8.500	-.0594	-.0742	-.0650	-.0588	-.0712
-7.500			-.0709		
-6.500	-.0404	-.0404	-.0513	-.0250	-.0375
-5.500			-.0365		
-4.500	-.0266	-.0221	-.0237	-.0160	-.0253

(REXP18)

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DATE 22 JAN 77 TABULATED SOURCE DATA - 058
AVES 11-97-010 0SSA.B SF1 + PA3 + BRF

MACH (4) = .843 PT (1) = 12.280

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X					
-3.500	-.0141	-.0083	-.0224	-.0054	-.0189
-2.500			-.0092		
-1.500	-.0094	-.0046	-.0099	.0022	-.0112
-.500			-.0033		
1.500	-.0051	.0049	-.0004	.0101	-.0056
2.500			.0017		
3.500	-.0061	.0020	.0020	.0106	.0004
4.500			.0019		
5.500	-.0106	-.0003	.0012	.0033	-.0019
6.500			-.0056		
7.500	-.0071	-.0051	-.0038	.0030	-.0125
8.500			.0026		
9.500	-.0085	-.0106	-.0039	.0076	-.0013
10.500			-.0125	.0095	.0065
11.500	-.0070	-.0027	-.0047		
12.500			-.0160	.0036	.0016
13.500	-.0157	-.0105	-.0023		
14.500			-.0036	-.0099	-.0013
15.500	-.0157	-.0150	-.0091		
16.500			-.0153	-.0089	.0000
17.500	-.0167	-.0173	-.0137		
18.500			-.0195	-.0106	-.2309
19.500	-.0145	-.0164	-.0148		
20.500			-.0288	-.0132	-.6094
21.500	-.0189	-.0221	-.0118		
22.500			-.0169	-.0151	-.0163
23.500	-.0247	-.0214	-.0160		
24.500			-.0195	-.0259	-.0234
25.500	-.0327	-.0269	-.0193		
26.500			-.0266	-.0202	-.0199
27.500	-.0228	-.0234			

MACH (5) = .882 PT (1) = 12.290 RN/L = 3.5150 Q(PS1) = 4.0350 P = 7.4070

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X					
-28.500	-.6947	-.6448	-.6409	-.6464	-.5625
-27.500			-.6342		
-26.500	-.6400	-.6007	-.5812	-.6139	-.6259
-25.500			-.5686		
-24.500	-.5573	-.4992	-.5231	-.5250	-.5640

(REXP18)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
 MACH (5) = .882 PT (1) = 12.290 AMES 11-97-010 OSBA,B SF1 + PA3 + BR6

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-23.500					
-22.500					
-21.500					
-20.500					
-19.500					
-18.500					
-17.500					
-16.500					
-15.500					
-14.500					
-13.500					
-12.500					
-11.500					
-10.500					
-9.500					
-8.500					
-7.500					
-6.500					
-5.500					
-4.500					
-3.500					
-2.500					
-1.500					
.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					

(REXP181)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB

AMES 11-97-010 OSBA.B SF1 + PA3 + BRF

MACH (5) = .882 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
21.500	-.0116	-.0173	-.0276	-.0042	-.0107
22.500	-.0151	-.0230	-.0246	-.0079	-.0196
23.500	-.0167	-.0230	-.0235	-.0227	-.0246
24.500	-.0212	-.0223	-.0272	-.0161	-.0181
25.500	-.0140	-.0134	-.0196	-.0146	-.0181
26.500					
27.500					

MACH (6) = .921 PT (1) = 12.290 RV/L = 3.5570 Q(PSI) = 4.2150 P = 7.1020

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-28.500	-.7703	-.6972	-.7055	-.7756	-.7435
-27.500	-.6866	-.5344	-.4917	-.6836	-.6751
-26.500	-.5864	-.4150	-.5334	-.5054	-.6190
-25.500	-.5023	-.3956	-.4546	-.4147	-.4988
-24.500	-.3791	-.3321	-.3561	-.2979	-.3699
-23.500	-.3068	-.1920	-.2319	-.1790	-.3160
-22.500	-.2159	-.1126	-.1380	-.1355	-.2216
-21.500	-.1389	-.0526	-.0870	-.0735	-.1317
-20.500	-.0668	-.0239	-.0507	-.0193	-.0593
-19.500	-.0257	-.0027	-.0046	-.0213	-.0593
-18.500	.0163	.0128	.0032	.0050	-.0093
-17.500	.0329	.0249	.0007	.0238	.0142
-16.500	.0414	.0268	.0174	.0274	.0332
-15.500	.0398	.0253	.0238	.0265	.0407
-14.500	.0391	.0198	.0278	.0149	.0347
-13.500			.0202	.0392	.0347
-12.500			.0151	.0306	.0334
-11.500			.0210		
-10.500			.0170		
-9.500					
-8.500					
-7.500					
-6.500					
-5.500					
-4.500					
-3.500					
-2.500					
-1.500					
-.500					

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 198

MACH (6) = .921 PT (1) = 12.290

(REXP18)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	1.500	2.500	3.500	4.500	5.500	6.500	7.500	8.500	9.500	10.500	11.500	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500																
Y	.0329	.0272	.0165	.0176	.0128	.0220	.0286	.0087	.0100	.0147	.0221	.0044	.0058	.0142	-.0111	.0125	.0148	.0095	.0044	.0084	.0096	.0051	.0094	.0171	.0983	.0034	.0008	.0000	.0024	.0056	.0088	.0245	.0092	.0138	.0128	.0135	.0121	.0213	.0154	.0139	.0213	.0165	.0129

MACH (7) = .961 PT (1) = 12.290 RV/L = 3.5750 Q(PS1) = 4.3910 P = 6.7930

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500
Y	-.7932	-.7823	-.7785	-.7692	-.7576	-.6633	-.6714	-.6919	-.7098	-.6817
	-.6302	-.6302	-.6302	-.6351	-.6588	-.5434	-.5336	-.5704	-.6046	-.6057
	-.5310	-.4374	-.5336	-.6046	-.6057	-.5704	-.6335	-.4742	-.5121	-.5071

ORIGINAL PAGE IS
OF POOR QUALITY

(REXP18)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AMES 11-97-010 OS2A.8 SF1 + PA3 + BRP

MACH (7) = .961 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-19.500	-.2848	-.3407	-.3395	-.2996	-.4016
-17.500			-.2489		
-16.500	-.2594	-.1793	-.1877	-.1798	-.2271
-15.500			-.1297		
-14.500	-.1550	-.0824	-.0860	-.0789	-.1292
-13.500			-.0374		
-12.500	-.0323	-.0108	-.0056	-.0011	-.0277
-11.500			.0125		
-10.500	.0247	.0361	.0352	.0385	.0285
-9.500			.0517		
-8.500	.0578	.0581	.0687	.0692	.0506
-7.500			.0777		
-6.500	.0675	.0721	.0780	.0798	.0770
-5.500			.0849		
-4.500	.0745	.0761	.0763	.0886	.0828
-3.500			.0839		
-2.500	.0708	.0743	.0813	.0794	.0756
-1.500			.0752		
-.500	.0653	.0640	.0779	.0790	.0708
.500			.0673		
1.500	.0547	.0603	.0637	.0732	.0692
2.500			.0618		
3.500	.0448	.0445	.0528	.0617	.0589
4.500			.0483		
5.500	.0381	.0341	.0436	.0514	.0495
6.500			.0367		
7.500	.0304	.0288	.0394	.0456	-.0123
8.500			.0408		
9.500	.0297	.0124	.0327	.0408	.0360
10.500			.0213		
11.500	.0246	.0170	.0323	.0378	.0389
12.500			.0288		
13.500	.0119	.0120	.0122	.0326	.0226
14.500			.0240		
15.500	.0104	.0022	.0144	.0171	.0172
16.500			.0170		
17.500	.0037	-.0002	.0137	.0122	.0000
18.500			.0069		
19.500	.0000	-.0068	.0012	.0090	-.2719
20.500			.0007		
21.500	-.0055	-.0130	-.0207	-.0010	.0022
22.500			-.0025		
23.500	-.0077	-.0120	-.0076	-.0027	-.0140
24.500			-.0055		
25.500	-.0117	-.0161	-.0071	-.0137	-.0183

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 200

AMES 11-97-010 058A.B SF1 + PA3 + BRP

(REXP18J)

MACH (7) = .961 PT (1) = 12.290

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.5000 6.5000 13.5000

X

26.500
27.500

-.0077 -.0109 -.0035
-.0058 -.0034 -.0070

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 291

(REXP19) (21 JAN 77)

AMES 11-97-010 OS8A,B SF1 + PA3 + BRF

PARAMETRIC DATA

PT = 12.280

P = 8.8460

MACH (1) = .702 PT (1) = 12.280 RV/L = 3.1380 Q(PS1) = 3.0530

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.4322	-.4308	-.4277	-.4317	-.4643
-27.500			-.3559		
-26.500	-.3215	-.2767	-.3434	-.3578	-.3534
-25.500			-.2781		
-24.500	-.2379	-.2126	-.2471	-.2622	-.2646
-23.500			-.2268		
-22.500	-.1918	-.1700	-.2060	-.1757	-.2015
-21.500			-.1706		
-20.500	-.1490	-.1370	-.1422	-.1286	-.1576
-19.500			-.1136		
-18.500	-.1311	-.1047	-.1030	-.1054	-.1406
-17.500			-.0941		
-16.500	-.1104	-.0957	-.0874	-.0883	-.1125
-15.500			-.0821		
-14.500	-.0929	-.0802	-.0771	-.0793	-.0906
-13.500			-.0742		
-12.500	-.0795	-.0720	-.0679	-.0656	-.0763
-11.500			-.0781		
-10.500	-.0677	-.0654	-.0761	-.0578	-.0650
-9.500			-.0590		
-8.500	-.0620	-.0650	-.0590	-.0585	-.0541
-7.500			-.0554		
-6.500	-.0588	-.0558	-.0527	-.0515	-.0503
-5.500			-.0454		
-4.500	-.0513	-.0452	-.0505	-.0473	-.0442
-3.500			-.0426		
-2.500	-.0465	-.0442	-.0432	-.0499	-.0448
-1.500			-.0475		
-.500	-.0453	-.0441	-.0389	-.0434	-.0405
.500			-.0393		
1.500	-.0434	-.0418	-.0522	-.0360	-.0333
2.500			-.0461		
3.500	-.0434	-.0473	-.0418	-.0414	-.0297
4.500			-.0478		
5.500	-.0428	-.0467	-.0465	-.0396	-.0333
6.500			-.0482		
7.500	-.0405	-.0438	-.0396	-.0390	-.0105
8.500			-.0309		
9.500	-.0377	-.0477	-.0317	-.0329	-.0324
10.500			-.0397		
11.500	-.0358	-.0438	-.0349	-.0264	-.0325

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 202

AMES 11-97-010 OS8A.B SF1 + PA3 + BRF

(REV 19)

MACH (1) = .702 PT (1) = 12.290

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

12.500					
13.500	-.0414	-.0424	-.0319	-.0297	-.0354
14.500			-.0236		
15.500	-.0376	-.0438	-.0304	-.0376	-.0370
16.500			-.0249		
17.500	-.0373	-.0446	-.0303	-.0374	.0000
18.500			-.0309		
19.500	-.0385	-.0405	-.0389	-.0357	-.3137
20.500			-.0344		
21.500	-.0414	-.0506	-.0554	-.0368	-.0345
22.500			-.0360		
23.500	-.0434	-.0457	-.0406	-.0345	-.0406
24.500			-.0414		
25.500	-.0473	-.0502	-.0385	-.0408	-.0398
26.500			-.0349		
27.500	-.0308	-.0233	-.0356	-.0301	-.0327

MACH (2) = .751

PT

(1) =

12.290

RN/L =

3.2610

O(PS1) =

3.3380

P

= 8.4530

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-28.500	-.6075	-.5969	-.5724	-.5958	-.6195
-27.500			-.5462		
-26.500	-.4881	-.5032	-.4920	-.5140	-.5140
-25.500			-.4516		
-24.500	-.3756	-.3893	-.4012	-.3890	-.3934
-23.500			-.3388		
-22.500	-.2924	-.3182	-.3110	-.3011	-.2955
-21.500			-.2724		
-20.500	-.2096	-.2354	-.2185	-.2238	-.2249
-19.500			-.1860		
-18.500	-.1641	-.1578	-.1418	-.1895	-.1811
-17.500			-.1137		
-16.500	-.1224	-.1251	-.1088	-.1256	-.1275
-15.500			-.0913		
-14.500	-.0923	-.0887	-.0717	-.0823	-.0907
-13.500			-.0664		
-12.500	-.0693	-.0675	-.0600	-.0536	-.0673
-11.500			-.0564		
-10.500	-.0546	-.0523	-.0532	-.0444	-.0498
-9.500			-.0403		
-8.500	-.0466	-.0547	-.0398	-.0349	-.0403

(REXP 19)

ORIGINAL PAGE IS
OF POOR QUALITY

MACH (2) = .751		PT (1) = 12.290	
SECTION (1) PANEL		DEPENDENT VARIABLE CP	
Y		-13.5000	-6.5000
X			
-7.500			
-6.500			
-5.500			
-4.500			
-3.500			
-2.500			
-1.500			
-.500			
1.500			
2.500			
3.500			
4.500			
5.500			
6.500			
7.500			
8.500			
9.500			
10.500			
11.500			
12.500			
13.500			
14.500			
15.500			
16.500			
17.500			
18.500			
19.500			
20.500			
21.500			
22.500			
23.500			
24.500			
25.500			
26.500			
27.500			

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 204

MACH (3) = .804 PT (1) = 12.290 RN/L = 3.3810 Q(PS1) = 3.6330 P = -8.0310 (REXP19)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.6729	-.6370	-.6278	-.6458	-.6504
-27.500			-.6330		
-26.500	-.5961	-.5638	-.5712	-.5854	-.5918
-25.500			-.5372		
-24.500	-.4389	-.4921	-.5014	-.5357	-.5120
-23.500			-.4673		
-22.500	-.4131	-.4279	-.4357	-.4478	-.4169
-21.500			-.4021		
-20.500	-.3121	-.3393	-.3423	-.3578	-.3334
-19.500			-.2912		
-18.500	-.2460	-.2459	-.2678	-.3111	-.2902
-17.500			-.2311		
-16.500	-.1865	-.1910	-.1912	-.2185	-.2124
-15.500			-.1688		
-14.500	-.1353	-.1315	-.1298	-.1411	-.1516
-13.500			-.1381		
-12.500	-.0971	-.0785	-.1019	-.0392	-.1045
-11.500			-.0986		
-10.500	-.0708	-.0529	-.0738	-.0684	-.0657
-9.500			-.0508		
-8.500	-.0474	-.0386	-.0470	-.0381	-.0476
-7.500			-.0316		
-6.500	-.0343	-.0319	-.0317	-.0278	-.0291
-5.500			-.0249		
-4.500	-.0296	-.0242	-.0282	-.0085	-.0197
-3.500			-.0136		
-2.500	-.0228	-.0150	-.0115	-.0120	-.0160
-1.500			-.0110		
-.500	-.0169	-.0143	-.0035	-.0052	-.0110
.500			-.0093		
1.500	-.0142	-.0041	-.0089	.0002	-.0135
2.500			-.0078		
3.500	-.0146	-.0088	-.0079	-.0004	-.0091
4.500			-.0096		
5.500	-.0157	-.0140	-.0109	-.0030	-.0133
6.500			-.0166		
7.500	-.0164	-.0144	-.0122	-.0021	-.0103
8.500			-.0086		
9.500	-.0196	-.0255	-.0137	-.0035	-.0123
10.500			-.0204		
11.500	-.0172	-.0163	-.0085	-.0005	-.0061
12.500			-.0051		
13.500	-.0224	-.0227	-.0191	-.0045	-.0138
14.500			-.0096		
15.500	-.0198	-.0273	-.0147	-.0132	-.0163

(REXP19)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AMES 11-97-310 058A.B SF1 + PA3 + BRP

MACH (3) = .804 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500
	-.0214	-.0228	-.0156	-.0127	.0000	-.0109	-.0201	-.0256	-.0416	-.0184	-.0210	-.0227
	-.0203	-.0248	-.0256	-.0150	-.2713	-.0201	-.0416	-.0227	-.0220	-.0290	-.0239	-.0235
	-.0264	-.0342	-.0274	-.0184	-.0210	-.0227	-.0220	-.0290	-.0239	-.0235	-.0220	-.0235
	-.0292	-.0265	-.0239	-.0220	-.0290	-.0239	-.0235	-.0220	-.0235	-.0220	-.0235	-.0235
	-.0333	-.0357	-.0235	-.0295	-.0306	-.0220	-.0235	-.0220	-.0235	-.0220	-.0235	-.0235
	-.0252	-.0243	-.0242	-.0203	-.0235	-.0220	-.0235	-.0220	-.0235	-.0220	-.0235	-.0235

MACH (4) = .843 PT (1) = 12.290 RN/L = 3.4570 O(PS1) = 3.8400 P = 7.7160

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500
	-.6831	-.6549	-.6404	-.6542	-.6447	-.6517	-.6018	-.6119	-.6016	-.6119	-.6016	-.6119
	-.6375	-.5796	-.5738	-.5586	-.5586	-.5074	-.4743	-.4830	-.4323	-.3971	-.3876	-.4119
	-.5489	-.5171	-.5074	-.5586	-.5586	-.5074	-.4743	-.4830	-.4323	-.3971	-.3876	-.4119
	-.4758	-.4463	-.4672	-.4743	-.4830	-.4323	-.3971	-.3876	-.4323	-.3971	-.3876	-.4119
	-.3821	-.3746	-.3478	-.3404	-.3480	-.3185	-.2933	-.2705	-.2496	-.2319	-.2021	-.2021
	-.3224	-.3011	-.2933	-.3019	-.2705	-.2496	-.2319	-.2021	-.1866	-.1765	-.1614	-.1453
	-.2573	-.2554	-.2496	-.3019	-.2705	-.2496	-.2319	-.2021	-.1866	-.1765	-.1614	-.1453
	-.1911	-.2291	-.1765	-.2319	-.2021	-.1866	-.1765	-.1614	-.1453	-.1315	-.1151	-.1030
	-.1324	-.1476	-.1508	-.1508	-.1453	-.1315	-.1151	-.1030	-.0770	-.0707	-.0711	-.0702
	-.1001	-.0929	-.0770	-.0707	-.0711	-.0702	-.0603	-.0490	-.0397	-.0326	-.0224	-.0269
	-.0596	-.0637	-.0603	-.0490	-.0458	-.0417	-.0397	-.0326	-.0224	-.0269	-.0224	-.0269
	-.0420	-.0462	-.0490	-.0458	-.0417	-.0397	-.0326	-.0224	-.0269	-.0224	-.0269	-.0269
	-.0231	-.0199	-.0199	-.0231	-.0269	-.0224	-.0269	-.0224	-.0269	-.0224	-.0269	-.0269

ORIGINAL PAGE IS
OF POOR QUALITY

161 EXP191

LABULATED SOURCE DATA - 058
AMES 11-97-010 058A.8 SF1 + PA3 + BR6

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MACH ( 4 ) = .843 PT ( 1 ) = 12.290
SECTION ( 1 ) PANEL
DEPENDENT VARIABLE CP
Y -13.5000 -6.5000 -.5000 6.5000 13.5000

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[illegible][illegible]

SECTION 11 PANEL

y	-13.5000	-6.5000	$-.5000$	6.5000	13.5000
x_6					
-28.500	$-.6944$	$-.6446$	$-.6413$	$-.6328$	$-.6826$
-27.500			$-.6314$		
-26.500	$-.6414$	$-.5790$	$-.5958$	$-.5956$	$-.6237$
-25.500			$-.5402$		
-24.500	$-.5638$	$-.4655$	$-.5286$	$-.5516$	$-.5577$

(b)(5) DPP

**ORIGINAL PAGE IS
OF POOR QUALITY**

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 058A.B SF1 + PA3 + BRF

MACH#		(5) =	.883	PT	(1) =	12.290
		DEPENDENT VARIABLE CP				

	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-23.500			-.5067		
-22.500			-.4678		
-21.500			-.4181		
-20.500			-.3639		
-19.500			-.3261		
-18.500			-.2835		
-17.500			-.2406		
-16.500			-.2165		
-15.500			-.1888		
-14.500			-.1655		
-13.500			-.1427		
-12.500			-.0997		
-11.500			-.0888		
-10.500			-.0688		
-9.500			-.0457		
-8.500			-.0498		
-7.500			-.0510		
-6.500			-.0490		
-5.500			-.0347		
-4.500			-.0154		
-3.500			-.0000		
-2.500			-.0012		
-1.500			-.0035		
-.500			-.0079		
1.500			-.0078		
2.500			-.0064		
3.500			-.0055		
4.500			-.0015		
5.500			-.0028		
6.500			-.0118		
7.500			-.0134		
8.500			-.0075		
9.500			-.0013		
10.500			-.0115		
11.500			-.0028		
12.500			-.0009		
13.500			-.0079		
14.500			-.0010		
15.500			-.0054		
16.500			-.0000		
17.500			-.0027		
18.500			-.0064		
19.500			-.0077		
20.500					

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

(REXP19)

AMES 11-97-010 OSBA.8 SF1 + PA3 + BRP

MACH (5) = .883 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	21.500	22.500	23.500	24.500	25.500	26.500	27.500
	-.0146	-.0148	-.0147	-.0186	-.0233	-.0147	-.0147
	-.0260	-.0260	-.0080	-.0098	-.0158	-.0152	-.0127
	-.0162	-.0159	-.0061	-.0211	-.0227	-.0134	-.0175

MACH (6) = .923 PT (1) = 12.290 RNV1 = 3.5580 Q(PS1) = 4.2240 P = 7.0880

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500	-7.500	-6.500	-5.500	-4.500	-3.500	-2.500	-1.500	-.500			
	-.7772	-.7181	-.7102	-.8112	-.7501	-.5829	-.5742	-.5031	-.5937	-.4151	-.4777	-.4162	-.3800	-.4908	-.3240	-.2696	-.2838	-.3575	-.1772	-.2909	-.1541	-.1130	-.1118	-.1946	-.0664	-.1221	-.0034	-.0161	-.0626	-.0012	-.0135	-.0131
	-.0111	-.0159	-.0160	-.0366	-.0416	-.0277	-.0191	-.0175	-.0265	-.0323	-.0333	-.0207	-.0174	-.0182	-.0200	-.0280	-.0455	-.0411	-.0300	-.0236	-.0166	-.0236	-.0265	-.0207	-.0174	-.0182	-.0200	-.0280	-.0455	-.0411	-.0300	-.0236

(REXP19)

DATE 22 JAN 77 TAPULATED SOURCE DATA - 058
AMES 11-97-010 058A.B SF1 - PA3 - BRP

MACH (6) = .923 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	1.500	.0357	.0251	.0185	.0282	.0358
2.500				.0176		.0311
3.500	.0277	.0054		.0134	.0225	
4.500				.0126		.0210
5.500	.0220	.0032		.0082	.0144	
6.500				.0070		.0097
7.500	.0153	.0025		.0062	.0122	
8.500				.0107		.0144
9.500	.0153	-.0150		.0071	.0170	
10.500				-.0037		.0193
11.500	.0112	.0023		.0072	.0169	
12.500				.0016		.0098
13.500	.0320	-.0049		.0059	.0135	
14.500				.0071		.0023
15.500	.0002	-.0106		-.0017	-.0049	
16.500				.0035		.0000
17.500	-.0056	-.0068		-.0022	-.0036	
18.500				-.0050		
19.500	-.0061	-.0046		-.0071	-.0035	-.0075
20.500				-.0075		
21.500	-.0103	-.0210		-.0282	-.0104	-.0028
22.500				-.0122		
23.500	-.0146	-.0200		-.0143	-.0077	-.0162
24.500				-.0120		
25.500	-.0205	-.0202		-.0159	-.0129	-.0224
26.500				-.0103		
27.500	-.0143	-.0166		-.0179	-.0134	-.0123

MACH (7) = .962 PT (1) = 13.290 PNT = 3.5720 CP = 4.1370 P = 6.7830

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	-.7914	-.7865	-.7810	-.7753	-.7694
-27.500				-.7702		-.7642
-26.500	-.6620	-.6801		-.6932	-.7021	-.6912
-25.500				-.6340		-.6340
-24.500	-.5978	-.4962		-.5732	-.6359	-.5613
-23.500				-.5444		
-22.500	-.5327	-.4436		-.5324	-.6000	-.6022
-21.500				-.4726		
-20.500	-.3989	-.5971		-.4908	-.4908	-.5018
-19.500				-.4929		

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 210

MACH (7) = .952 PT (1) = 12.290

(REXP19)

AMES 11-97-010 058A,B SFI + PA3 + BRP

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-18.500	-.2839	-.3210	-.2980	-.3095	-.4067
-17.500			-.2256		
-16.500	-.2675	-.1658	-.1651	-.1877	-.2291
-15.500			-.1170		
-14.500	-.1703	-.0650	-.0771	-.0844	-.1330
-13.500			-.0338		
-12.500	-.0470	-.0020	-.0060	-.0013	-.0250
-11.500			.0166		
-10.500	.0149	.0394	.0383	.0382	.0276
-9.500			.0558		
-8.500	.0549	.0613	.0697	.0757	.0546
-7.500			.0749		
-6.500	.0666	.0681	.0756	.0873	.0799
-5.500			.0858		
-4.500	.0752	.0708	.0809	.0836	.0867
-3.500			.0850		
-2.500	.0689	.0721	.0811	.0758	.0794
-1.500			.0725		
.500	.0654	.0636	.0743	.0743	.0720
1.500			.0678		
2.500	.0552	.0611	.0641	.0686	.0710
3.500			.0585		
4.500	.0456	.0425	.0531	.0600	.0625
5.500			.0458		
6.500	.0389	.0320	.0421	.0458	.0504
7.500			.0338		
8.500	.0298	.0265	.0340	.0399	-.0107
9.500			.0374		
10.500	.0302	.0132	.0321	.0369	.0349
11.500			.0218		
12.500	.0254	.0194	.0319	.0355	.0379
13.500			.0247		
14.500	.0129	.0089	.0096	.0305	.0243
15.500			.0223		
16.500	.0121	.0011	.0140	.0115	.0179
17.500			.0174		
18.500	.0008	.0002	.0101	.0082	.0000
19.500			.0079		
20.500	.0022	-.0002	.0030	.0064	-.2738
21.500			.0051		
22.500	-.0058	-.0132	-.0199	-.0016	.0007
23.500			-.0038		
24.500	-.0117	-.0125	-.0098	-.0026	-.0117
25.500			-.0062		
	-.0130	-.0146	-.0083	-.0167	-.0198

(REXP19)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 AMES 11-97-010 OSBA.B SF1 + PA3 + BR1

MACH (7) = .962 PT (1) = 12.290
 SECTION (1) PANEL DEPENDENT VARIABLE CP
 Y -13.5000 -6.5000 -.5000 6.5000 13.5000
 X
 26.500 -.0068
 27.580 -.0101 -.0087 -.0040 -.0032 -.0052

ORIGINAL PAGE IS
 OF POOR QUALITY

(REXP20) (21 JAN 77)

PARAMETRIC DATA

PT = 12.280
P = 8.8460

TABULATED SOURCE DATA - 058
AMES 11-97-010 058A.8 SF1 + PA3 + BRF

DATE 22 JAN 77

MACH (1) = .702 PT (1) = 12.280 RN/L = 3.1360 Q(PSI) = 3.0490
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.500	-6.500	-5.000	6.500	13.500
-28.500	-.4448	-.4414	-.4335	-.4474	-.4718
-27.500			-.3689		
-26.500	-.3238	-.3229	-.3018	-.3309	-.3466
-25.500			-.2893		
-24.500	-.2402	-.2302	-.2516	-.2295	-.2577
-23.500			-.2128		
-22.500	-.1957	-.1707	-.1897	-.1752	-.1994
-21.500			-.1614		
-20.500	-.1486	-.1309	-.1360	-.1418	-.1575
-19.500			-.1155		
-18.500	-.1305	-.1091	-.1038	-.1081	-.1382
-17.500			-.1011		
-16.500	-.1099	-.0975	-.0866	-.0861	-.1075
-15.500			-.0777		
-14.500	-.0945	-.0781	-.0764	-.0764	-.0877
-13.500			-.0673		
-12.500	-.0811	-.0724	-.0625	-.0642	-.0727
-11.500			-.0688		
-10.500	-.0705	-.0679	-.0724	-.0710	-.0590
-9.500			-.0574		
-8.500	-.0630	-.0701	-.0576	-.0536	-.0576
-7.500			-.0520		
-6.500	-.0587	-.0633	-.0538	-.0481	-.0529
-5.500			-.0522		
-4.500	-.0505	-.0546	-.0562	-.0442	-.0446
-3.500			-.0488		
-2.500	-.0468	-.0498	-.0475	-.0445	-.0460
-1.500			-.0453		
-.500	-.0464	-.0501	-.0389	-.0401	-.0413
1.500			-.0441		
2.500	-.0432	-.0443	-.0468	-.0372	-.0376
3.500			-.0426		
4.500	-.0422	-.0536	-.0409	-.0387	-.0352
5.500			-.0478		
6.500	-.0420	-.0470	-.0457	-.0430	-.0369
7.500			-.0423		
8.500	-.0381	-.0449	-.0373	-.0368	-.0129
9.500			-.0283		
10.500	-.0396	-.0489	-.0320	-.0344	-.0361
11.500			-.0400		
	-.0380	-.0399	-.0315	-.0279	-.0348

(REXP20)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 AMES 11-97-010 058A.B SF1 + PA3 + BRP

MACH (1) = .702 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
12.500					-.0325
13.500	-.0385	-.0410		-.0271	-.0392
14.500					-.0304
15.500	-.0364	-.0393		-.0361	-.0385
16.500					-.0307
17.500	-.0369	-.0377		-.0352	.0000
18.500					-.0328
19.500	-.0380	-.0311		-.0385	-.3123
20.500					-.0344
21.500	-.0392	-.0472		-.0360	-.0384
22.500					-.0349
23.500	-.0397	-.0426		-.0411	-.0392
24.500					-.0360
25.500	-.0444	-.0474		-.0467	-.0414
26.500					-.0343
27.500	-.0284	-.0288		-.0300	-.0351

MACH (2) = .755 PT (1) = 12.290 RN/L = 3.2730 Q(P51) = 3.3590 P = 8.4240

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-28.500					-.5755
-27.500	-.6173	-.6004		-.5869	-.6130
-26.500					-.5603
-25.500	-.5054	-.5061		-.5043	-.5080
-24.500					-.4568
-23.500	-.3861	-.4107		-.4208	-.4003
-22.500					-.3391
-21.500	-.2971	-.2960		-.3173	-.3053
-20.500					-.2441
-19.500	-.2060	-.1851		-.2453	-.2293
-18.500					-.1862
-17.500	-.1555	-.1407		-.1838	-.1664
-16.500					-.1345
-15.500	-.1212	-.1074		-.1283	-.1166
-14.500					-.1008
-13.500	-.0911	-.0746		-.0816	-.0845
-12.500					-.0685
-11.500	-.0720	-.0559		-.0549	-.0574
-10.500					-.0578
-9.500	-.0569	-.0421		-.0471	-.0428
-8.500					-.0338
	-.0469	-.0333		-.0256	-.0398

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DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 214

MACH (2) = .755 PT (1) = 12.290

(REXP20)

ANES 11-97-010 OSBA,B SF1 + PA3 + BRP

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-7.500			-.0279		
-6.500	-.0417	-.0349	-.0278	-.0212	-.0322
-5.500			-.0237		
-4.500	-.0330	-.0315	-.0298	-.0235	-.0274
-3.500			-.0206		
-2.500	-.0311	-.0281	-.0235	-.0249	-.0282
-1.500			-.0282		
-.500	-.0235	-.0283	-.0273	-.0226	-.0260
.500			-.0250		
1.500	-.0234	-.0235	-.0251	-.0192	-.0220
2.500			-.0239		
3.500	-.0241	-.0349	-.0209	-.0184	-.0194
4.500			-.0281		
5.500	-.0242	-.0311	-.0276	-.0206	-.0245
6.500			-.0308		
7.500	-.0252	-.0328	-.0290	-.0220	-.0074
8.500			-.0190		
9.500	-.0249	-.0403	-.0230	-.0222	-.0216
10.500			-.0323		
11.500	-.0245	-.0322	-.0195	-.0181	-.0173
12.500			-.0231		
13.500	-.0314	-.0327	-.0333	1.0145	-.0212
14.500			-.0219		
15.500	-.0293	-.0318	-.0236	-.0250	-.0252
16.500			-.0181		
17.500	-.0285	-.0343	-.0272	-.0245	-.0200
18.500			-.0260		
19.500	-.0249	-.0309	-.0310	-.0237	-.2855
20.500			-.0236		
21.500	-.0267	-.0358	-.0456	-.0269	-.0278
22.500			-.0290		
23.500	-.0318	-.0338	-.0300	-.0282	-.0326
24.500			-.0235		
25.500	-.0373	-.0412	-.0309	-.0393	-.0366
26.500			-.0282		
27.500	-.0256	-.0220	-.0224	-.0209	-.0278

DATE 22 JAN 77
INVENTORIES SOURCE 000000
AMES 11-97-010 058A.8 SF1 + PA3 + BRF
(REXP20)
P = 8.0560

SECTION / 11 PLANET

	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-28.500	-.6830	-.6418	-.6263	-.6486	-.6494
-27.500			-.6330		
-26.500	-.6064	-.5854	-.5773	-.5788	-.5973
-25.500			-.5393		
-24.500	-.5104	-.5045	-.4885	-.4887	-.5294
-23.500			-.4702		
-22.500	-.4263	-.4358	-.4333	-.3986	-.4320
-21.500			-.3812		
-20.500	-.3061	-.3553	-.3400	-.3486	-.3418
-19.500			-.2909		
-18.500	-.2376	-.2577	-.2081	-.2916	-.2896
-17.500			-.2098		
-16.500	-.1698	-.2003	-.2198	-.2144	-.2154
-15.500			-.1698		
-14.500	-.1239	-.1391	-.1221	-.1600	-.1467
-13.500			-.1204		
-12.500	-.0864	-.0757	-.0928	-.0983	-.0970
-11.500			-.0799		
-10.500	-.0634	-.0468	-.0720	-.0556	-.0683
-9.500			-.0594		
-8.500	-.0460	-.0428	-.0465	-.0297	-.0425
-7.500			-.0442	-.0170	-.0245
-6.500	-.035	-.0299	-.0383	-.0068	-.0119
-5.500			-.0273		
-4.500	-.0271	-.0210	-.0255	-.0033	-.0066
-3.500			-.0154		
-2.500	-.0215	-.0117	-.0098	-.0101	-.0118
-1.500			-.0124		
-.500	-.0165	-.0109	-.0080	-.0033	-.0066
.500			-.0099		
1.500	-.0156	-.0053	-.0181	-.0031	-.0074
2.500			-.0132		
3.500	-.0147	-.0173	-.0138	-.0033	-.0057
4.500			-.0175		
5.500	-.0165	-.0162	-.0167	-.0105	-.0092
6.500			-.0208		
7.500	-.0161	-.0172	-.0112	-.0145	-.0063
8.500			-.0070		
9.500	-.0115	-.0245	-.0104	-.0101	-.0093
10.500			-.0177		
11.500	-.0143	-.0188	-.0033	-.0068	-.0034
12.500			-.0017		
13.500	-.0208	-.0194	-.0138	-.0033	-.0112
14.500			-.0053		
15.500	-.0196	-.0254	-.0095	-.0112	-.0113

**ORIGINAL PAGE IS
OF POOR QUALITY**

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 216

MACH (3) = .801 PT (1) = 12.290
ANES 11-97-010 OSSA.B SF1 + PA3 + BRP

(REXP20)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

16.500	-.0134	-.0159	.0000
17.500	-.0201	-.0256	
18.500	-.0189	-.0243	-.2641
19.500	-.0189	-.0228	-.0217
20.500	-.0232	-.0333	-.0404
21.500	-.0266	-.0279	-.0278
22.500	-.0329	-.0398	-.0309
23.500	-.0218	-.0229	-.0291
24.500			-.0206
25.500			-.0254
26.500			
27.500			

MACH (4) = .844 PT (1) = 12.290 RN/L = 3.4580

Q(PS1) = 3.8440 P = 7.7110

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.6829	-.6514	-.6367	-.6514	-.6549
-27.500	-.6303	-.5932	-.5935	-.6029	-.6184
-26.500	-.5501	-.5345	-.5502	-.5436	-.5638
-25.500	-.4733	-.4696	-.4516	-.4586	-.4970
-24.500	-.3796	-.3828	-.3980	-.3857	-.4242
-23.500	-.3128	-.2984	-.3188	-.3452	-.3449
-22.500	-.2352	-.2431	-.2725	-.3045	-.2682
-21.500	-.1682	-.1954	-.1802	-.2253	-.2089
-20.500	-.1174	-.1381	-.1533	-.1375	-.1542
-19.500	-.0909	-.0975	-.1082	-.0935	-.1011
-18.500	-.0545	-.0648	-.0511	-.0590	-.0718
-17.500	-.0349	-.0416	-.0480	-.0365	-.0375
-16.500	-.0224	-.0234	-.0371	-.0173	-.0183

(02dx3H)

AMES 11-97-010 058A,B SF1 + PA3 + BRG

MACH (4) = .844 PT (1) = 12.290

SECTION : 1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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OF POOR QUALITY**

	ST	(1)	(2)	PWV	$\sigma(PWV)$	P
				3.9140	4.0350	7.4120

SECTION C: JAPAN

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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X	-6977	-6410	-6458	-6544	-6580
-28,500			-6352		
-27,500			-6156		
-26,500	-6413	-6118	-5901	-5936	-6201
-25,500			-5480		
-24,500	-5405	-5696		-5292	-5664

(REXP20)

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8
AMES 11-97-010 OS8A.8 SF1 + PA3 + BRE

MACH (5) = .882 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.5000	-6.5000	-5.000	6.5000	13.5000
-23.500	-.4612	-.4809	-.5001	-.4693	-.4879
-22.500			-.4682		
-21.500			-.4114		
-20.500	-.3474	-.3684	-.3817	-.3786	-.4166
-19.500			-.3562		
-18.500	-.2996	-.3274	-.3337	-.3580	-.3062
-17.500			-.2976		
-16.500	-.2441	-.2365	-.2021	-.2896	-.2432
-15.500			-.1697		
-14.500	-.1837	-.1982	-.2085	-.1860	-.1989
-13.500			-.1846		
-12.500	-.1378	-.1484	-.1723	-.0958	-.1497
-11.500			-.1427		
-10.500	-.0970	-.0773	-.1090	-.0850	-.1017
-9.500			-.0792		
-8.500	-.0630	-.0580	-.0716	-.0585	-.0603
-7.500			-.0556		
-6.500	-.0403	-.0332	-.0473	-.0194	-.0326
-5.500			-.0364		
-4.500	-.0195	-.0181	-.0341	-.0118	-.0192
-3.500			-.0156		
-2.500	-.0088	-.0020	-.0067	-.0129	-.0052
-1.500			-.0040		
.500	-.0019	.0036	.0032	.0041	.0016
1.500			.0037		
2.500	.0038	.0020	.0002	.0082	.0017
3.500			.0022		
4.500	.0007	-.0002	.0060	.0172	.0065
5.500			.0051		
6.500	.0018	.0005	.0045	.0120	.0000
7.500	-.0003	-.0004	.0017	.0167	-.0146
8.500			.0025		
9.500	.0008	-.0086	.0087	.0179	.0040
10.500			-.0003		
11.500	.0038	.0069	.0020	.0176	.0069
12.500			-.0005		
13.500	-.0061	.0016	.0040	.0090	.0028
14.500			.0020		
15.500	-.0028	-.0056	.0040	-.0033	-.0055
16.500			.0026		
17.500	-.0078	-.0117	.0036	.0018	.0000
18.500			-.0034		
19.500	-.0098	-.0110	-.0087	-.0007	-.2323
20.500			-.0082		

DATE 22 JAN. 77 TABULATED SOURCE DATA - OSB

(REXP20)

AVES 11-97-010 OS8A.B SF1 + PA3 + BRG

MACH (5) = .882 PT (1) = 12.290

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
21.500 -0.139 -0.0210 -0.0301 -0.0061 -0.0098
22.500 -0.0207 -0.0241 -0.0155 -0.0119 -0.0167
23.500 -0.0238 -0.0276 -0.0178 -0.0198 -0.0244
24.500 -0.0163 -0.0186 -0.0158 -0.0140 -0.0165
25.500 -0.0139 -0.0210 -0.0301 -0.0061 -0.0098
26.500 -0.0207 -0.0241 -0.0155 -0.0119 -0.0167
27.500 -0.0238 -0.0276 -0.0178 -0.0198 -0.0244

MACH (6) = .923 PT (1) = 12.290 RN/L = 3.5590 Q(PS1) = 4.2278 P = 7.0880

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 -0.7786 -0.6827 -0.7196 -0.7894 -0.7421
-27.500 -0.6844 -0.5498 -0.4853 -0.6706 -0.6815
-26.500 -0.5854 -0.4102 -0.4697 -0.5039 -0.6293
-25.500 -0.4969 -0.3881 -0.3895 -0.3817 -0.5070
-24.500 -0.3785 -0.3112 -0.2913 -0.2853 -0.3665
-23.500 -0.3116 -0.1936 -0.1872 -0.1849 -0.2970
-22.500 -0.2011 -0.1207 -0.1019 -0.1171 -0.2069
-21.500 -0.1175 -0.0629 -0.0513 -0.0423 -0.1182
-20.500 -0.0572 -0.0065 -0.0075 -0.0138 -0.0486
-19.500 -0.0313 -0.0116 -0.0106 -0.0012 -0.0011
-18.500 -0.0087 -0.0213 -0.0167 -0.0278 -0.0131
-17.500 -0.0336 -0.0138 -0.0197 -0.0330 -0.0295
-16.500 -0.0438 -0.0237 -0.0287 -0.0363 -0.0429
-15.500 -0.0469 -0.0266 -0.0220 -0.0322 -0.0409
-14.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-13.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-12.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-11.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-10.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-9.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-8.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-7.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-6.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-5.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-4.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-3.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-2.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-1.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
-.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408
.500 -0.0424 -0.0215 -0.0205 -0.0301 -0.0408

ORIGINAL PAGE IS
OF POOR QUALITY

(REXP20)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.B SFI + PA3 + BRP

MACH (6) = .923 PT (1) = 12.290

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

1.500	.0333	.0242	.0143	.0276	.0364
2.500			.0132		
3.500	.0263	.0033	.0141	.0233	.0298
4.500			.0098		
5.500	.0164	.0040	.0102	.0129	.0240
6.500			.0080		
7.500	.0138	.0031	.0056	.0147	-.0071
8.500			.0138		
9.500	.0151	-.0121	.0066	.0127	.0193
10.500			-.0008		
11.500	.0087	-.0024	.0097	.0160	.0252
12.500			.0036		
13.500	.0014	-.0073	-.0039	.0132	.0093
14.500			.0057		
15.500	-.0016	.0074	.0006	-.0026	.0075
16.500			.0068		
17.500	-.0065	-.0074	-.0023	-.0001	.0000
18.500			.0001		
19.500	-.0028	-.0037	-.0051	-.0013	-.2703
20.500			.0040		
21.500	-.0104	-.0209	-.0301	-.0069	-.0016
22.500			-.0172		
23.500	-.0116	-.0225	-.0149	-.0073	-.0154
24.500			-.0149		
25.500	-.0167	-.0208	-.0156	-.0230	-.0194
26.500			-.0128		
27.500	-.0073	-.0123	-.0152	-.0088	-.0114

MACH (7) = .961 PT (1) = 12.290 RN/L = 3.5660 O(PSI) = 4.3910 P = 6.7880

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.7915	-.7854	-.7792	-.7731	-.7592
-27.500			-.4710		
-26.500	-.6629	-.6777	-.6947	-.7123	-.6855
-25.500			.6305		
-24.500	-.6013	-.4898	-.5760	-.6405	-.6634
-23.500			-.5364		
-22.500	-.5329	-.4407	-.5247	-.6058	-.6066
-21.500			-.5585		
-20.500	-.4026	-.5998	-.5507	-.4841	-.5212
-19.500			-.3997		

(REXP20)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
 MACH (7) = .961 PT (1) = 12.290
 AVES 11-97-010 OS8A.8 SF1 + PA3 + BRP

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-18.500	-.2847	-.3688	-.3007	-.3218	-.4053
-17.500			-.2356		
-16.500	-.2613	-.1670	-.1820	-.1953	-.2240
-15.500			-.1274		
-14.500	-.1583	-.0687	-.0817	-.0814	-.1279
-13.500			-.0318		
-12.500	-.0350	-.0018	-.0042	-.0009	-.0238
-11.500			.0201		
-10.500	.0211	.0394	.0431	.0386	.0297
-9.500			.0567		
-8.500	.0606	.0631	.0720	.0707	.0537
-7.500			.0793		
-6.500	.0671	.0734	.0801	.0839	.0786
-5.500			.0864		
-4.500	.0757	.0753	.0776	.0869	.0850
-3.500			.0847		
-2.500	.0716	.0727	.0816	.0781	.0771
-1.500			.0742		
-.500	.0651	.0620	.0766	.0780	.0716
.500			.0701		
1.500	.0544	.0645	.0640	.0698	.0671
2.500			.0619		
3.500	.0439	.0451	.0557	.0593	.0623
4.500			.0487		
5.500	.0369	.0333	.0416	.0496	.0472
6.500			.0396		
7.500	.0306	.0300	.0384	.0417	-.0152
8.500			.0397		
9.500	.0289	.0128	.0353	.0378	.0339
10.500			.0217		
11.500	.0255	.0233	.0357	.0352	.0370
12.500			.0303		
13.500	.0114	.0138	.0137	.0318	.0232
14.500			.0253		
15.500	.0120	.0047	.0153	.0129	.0189
16.500			.0233		
17.500	.0024	.0027	.0164	.0097	.0000
18.500			.0117		
19.500	-.0009	-.0017	.0057	.0082	-.2718
20.500			.0072		
21.500	-.0071	-.0100	-.0163	-.0034	-.0006
22.500			.0009		
23.500	-.0112	-.0112	-.0071	.0006	-.0164
24.500			-.0043		
25.500	-.0146	-.0138	-.0082	-.0131	-.0221

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 222

AMES 11-97-010 058A.B SF1 + PA3 + BRP

(REXP20)

MACH (7) = .961 PT (1) = 12.290

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.5000 6.5000 13.5000

X

26.500 -.0628

27.500 -.0121 -.0126 -.0082 -.0075 -.0098

PARAMETRIC DATA

PT = 12.280
P = 7.0880

7.0880

TABULATED SOURCE DATA - OS8

AMES 11-97-010 OSBA.B SFI ♦ PA3 ♦ BRF

DATE 22 JAN 77

MACH: (1) = .923 PT (1) = 12.290 RN/L = 3.5550 Q(PS1) =

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X	-7.733	-7.072	-6.872	-7.7954	-7.7525
-20.500			-6.872		
-27.500			-6.840		
-26.500	-6.681	-5.488	-6.178	-7.237	-6.742
-25.500			-5.426		
-24.500	-5.924	-4.218	-5.258	-5.143	-6.402
-23.500			-4.359		
-22.500	-5.5100	-3.969	-4.209	-3.876	-4.964
-21.500			-3.820		
-20.500	-3.7999	-3.525	-2.881	-2.829	-3.340
-19.500			-2.462		
-18.500	-3.010	-1.856	-1.885	-1.811	-2.892
-17.500			-1.628		
-16.500	-2.040	-1.215	-1.058	-1.296	-1.932
-15.500			-0.573		
-14.500	-1.1223	-0.623	-0.473	-0.737	-1.171
-13.500			-0.361		
-12.500	-0.0550	-0.179	-0.161	-0.161	-0.0543
-11.500			-0.058		
-10.500	-0.0261	-0.031	-0.068	-0.123	-0.0045
-9.500			-0.117		
-8.500	-0.0199	-0.141	-0.156	-0.232	-0.240
-7.500			-0.262		
-6.500	-0.0373	-0.192	-0.237	-0.397	-0.4000
-5.500			-0.292		
-4.500	-0.0452	-0.258	-0.134	-0.368	-0.420
-3.500			-0.343		
-2.500	-0.0393	-0.266	-0.233	-0.298	-0.361
-1.500			-0.179		
-0.500	-0.0394	-0.231	-0.254	-0.397	-0.318
0.500			-0.190		
1.500	-0.0348	-0.259	-0.184	-0.262	-0.284
2.500			-0.157		
3.500	-0.0260	-0.078	-0.109	-0.222	-0.269
4.500			-0.138		
5.500	-0.0195	-0.033	-0.053	-0.163	-0.199
6.500			-0.078		
7.500	-0.0149	-0.036	-0.099	-0.135	-0.178
8.500			-0.097		
9.500	-0.0174	-0.044	-0.059	-0.170	-0.114
10.500			-0.052		
11.500	-0.0141	-0.018	-0.075	-0.158	-0.168

(REXP21)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (1) = .923 PT (1) = 12.290
 AMES 11-97-010 058A.8 SF1 + PA3 + BRF

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
12.500	.0030	-.0053	-.0000	.0170	.0065
13.500	.0017	-.0148	-.0031	.0005	.0013
14.500	-.0045	-.0135	-.0031	-.0028	.0000
15.500	-.0070	-.0124	-.0083	-.0016	-.2771
16.500	-.0125	-.0168	-.0303	-.0095	-.0035
17.500	-.0156	-.0176	-.0135	-.0116	-.0122
18.500	-.0211	-.0231	-.0188	-.0219	-.0179
19.500	-.0147	-.0148	-.0110	-.0125	-.0108
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

(REXP27) (03 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000
P = 2.3800

TABULATED SOURCE DATA - OSB

AMES 11-97-010 OS8A.B SF2 + PA3 + BR

DATE 22 JAN 77

MACH (1) = 1.600 PT (1) = 10.110 RN/L = 2.7510 O(PSI) = 4.2640
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.5000 6.5000 13.5000

X	-13.5000	-6.5000	-5.5000	6.5000	13.5000
-28.500	-.0208	-.0388	-.0154	-.0327	.0000
-27.500			-.0098		
-26.500	-.0246	-.0243	-.0240	-.0333	.0025
-25.500			-.0084		
-24.500	-.0130	.0405	.0335	-.0339	-.0107
-23.500			.0426		
-22.500	-.0249	.0205	.0234	-.0174	-.0014
-21.500			-.0371		
-20.500	.0012	-.0737	-.0772	-.0118	-.0071
-19.500			-.0754		
-18.500	.0083	-.0478	-.0434	.0105	-.0107
-17.500			-.0255		
-16.500	.0003	-.0240	-.0278	.0170	-.0099
-15.500			.0000		
-14.500	-.0052	-.0339	-.0304	-.0173	-.0104
-13.500			-.0264		
-12.500	-.0272	-.0252	-.0235	-.0341	-.0078
-11.500			-.0316		
-10.500	-.0278	-.0168	-.0203	-.0426	-.0037
-9.500			-.0220		
-8.500	-.0177	-.0249	-.0237	-.0411	-.0179
-7.500			-.0255		
-6.500	-.0310	-.0373	-.0368	-.0246	.0023
-5.500			-.0428		
-4.500	-.0338	-.0464	-.0406	-.0246	-.0179
-3.500			-.0055		
-2.500	-.0461	-.0081	-.0061	-.0409	-.0399
-1.500			-.0150		
-.500	-.0283	-.0121	-.0116	-.0122	-.0542
.500			-.0159		
1.500	-.0151	-.0096	-.0096	-.0043	-.0321
2.500			-.0084		
3.500	-.0223	-.0110	-.0127	-.0162	-.0154
4.500			-.0128		
5.500	-.0209	-.0200	-.0223	-.0024	-.0197
6.500			-.0151		
7.500	.0000	-.0151	-.0070	-.0095	-.0156
8.500			-.0188		
9.500	-.0194	-.0162	-.0067	-.0058	-.0159
10.500			-.0095		
11.500	-.0076	-.0188	-.0064	-.0112	-.0006

ORIGINAL PAGE IS
OF POOR QUALITY

(REXP27)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
ANES 11-57-010 OS9A.9 SF2 + PA3 + BR6

MACH (2) = 1.700 PT (1) = 10.100
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500	-.0071	.0029	-.0041	-.0054	.0229
-6.500			-.0039		
-5.500			-.0151		
-4.500	-.0046	-.0177	-.0177	.0029	.0030
-3.500			-.0145		
-2.500	-.0128	-.0019	.0113	-.0207	-.0097
-1.500			-.0039		
-.500	-.0154	.0030	.0046	-.0109	-.0191
.500			.0054		
1.500	.0055	.0089	.0097	.0054	-.0121
2.500			.0157		
3.500	-.0029	.0077	-.0078	.0097	-.0069
4.500			-.0049		
5.500	-.0001	-.0072	-.0096	.0127	-.0164
6.500			-.0026		
7.500	.0000	-.0064	.0098	-.0018	-.0043
8.500			-.0072		
9.500	-.0008	-.0129	-.0043	-.0028	-.0074
10.500			-.0053		
11.500	.0050	-.0106	-.0067	-.0087	-.0011
12.500			.0011		
13.500	-.0092	.1571	-.0123	-.0031	.0032
14.500			-.0079		
15.500	.0000	-.0168	-.0126	-.0048	-.0053
16.500			-.0020		
17.500	.0021	-.0070	.0092	-.0087	-.0001
18.500			-.0123		
19.500	-.0008	-.0048	-.0049	-.0019	-.1080
20.500			-.0045		
21.500	.0053	-.0085	.0019	-.0024	-.0008
22.500			.0050		
23.500	-.0050	-.0027	-.0099	-.0011	.0118
24.500			.0061		
25.500	.0756	.0354	.0338	.0377	.0966
26.500			.1392		
27.500	.2268	.2556	.2431	.2634	.2283

ORIGINAL PAGE 13
OF POOR QUALITY

(REXP28) (05 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000
P = 2.3790

TABULATED SOURCE DATA - 058

AMES 11-97-010 OS8A.8 SF2 + PA3 + BRE

DATE 22 JAN 77

MACH (1) = 1.600 PT (1) = 10.110 RN/L = 2.7400 Q(PSI) = 4.2620
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	1.2590	1.2600	1.2570	1.2550	.0000
-27.500			1.2730		
-26.500	1.2540	1.2410	1.2330	1.2320	
-25.500			1.2410		
-24.500	1.2540	1.2480	1.2420	1.2510	1.2510
-23.500			1.2450		
-22.500	1.2590	1.2510	1.2460	1.2550	1.2550
-21.500			1.2540		
-20.500	1.2690	1.2610	1.2610	1.2590	
-19.500			1.2680		
-18.500	1.2660	1.2710	1.2720	1.2670	1.2640
-17.500			1.2740		
-16.500	1.2690	1.2750	1.2760	1.2730	1.2680
-15.500			.0000		
-14.500	1.2770	1.2800	1.2800	1.2770	1.2730
-13.500			1.2850		
-12.500	1.2810	1.2890	1.2920	1.2870	1.2800
-11.500			1.2920		
-10.500	1.2890	1.2950	1.2960	1.2920	1.2890
-9.500			1.3020		
-8.500	1.2970	1.3030	1.3050	1.3050	1.2940
-7.500			1.3090		
-6.500	1.3060	1.3110	1.3140	1.3110	1.3080
-5.500			1.3180		
-4.500	1.3170	1.3230	1.3250	1.3230	1.3180
-3.500			1.3290		
-2.500	1.3300	1.3330	1.3340	1.3310	1.3290
-1.500			1.3400		
.500	1.3410	1.3480	1.3480	1.3450	1.3410
1.500			1.3540		
2.500	1.3530	1.3580	1.3580	1.3550	1.3510
3.500			1.3620		
4.500	1.3660	1.3710	1.3670	1.3720	1.3620
5.500			1.3750		
6.500	1.3800	1.3830	1.3820	1.3810	1.3730
7.500			1.3940		
8.500	.0000	1.3980	1.3960	1.3940	1.3860
9.500			1.4060		
10.500	1.4060	1.4090	1.4120	1.4060	1.3990
11.500			1.4180		
	1.4170	1.4230	1.4230	1.4180	1.4120

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 230

MACH (2) = 1.700 PT (1) = 10.100

(REXP281)

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500			1.3290		
-6.500	1.3230	1.3280	1.3310	1.3310	1.3250
-5.500			1.3390		
-4.500	1.3370	1.3460	1.3460	1.3420	1.3390
-3.500			1.3510		
-2.500	1.3510	1.3600	1.3590	1.3580	1.3520
-1.500			1.3630		
-.500	1.3650	1.3740	1.3770	1.3730	1.3680
.500			1.3800		
1.500	1.3800	1.3860	1.3860	1.3860	1.3790
2.500			1.3970		
3.500	1.3950	1.4030	1.4020	1.3980	1.3910
4.500			1.4100		
5.500	1.4090	1.4170	1.4150	1.4100	1.4050
6.500			1.4230		
7.500	.0000	1.4310	1.4240	1.4220	1.4200
8.500			1.4330		
9.500	1.4380	1.4420	1.4420	1.4380	1.4340
10.500			1.4470		
11.500	1.4450	1.4480	1.4520	1.4510	1.4430
12.500			1.4540		
13.500	1.4580	1.4640	1.4610	1.4620	1.4530
14.500			1.4680		
15.500	.0000	1.4610	1.4670	1.4690	1.4580
16.500			1.4630		
17.500	1.4730	1.4730	1.4670	1.4710	1.4620
18.500			1.4730		
19.500	1.4780	1.4730	1.4770	1.4760	1.4590
20.500			1.4790		
21.500	1.4820	1.4760	1.4750	1.4710	1.4720
22.500			1.4740		
23.500	1.4810	1.4750	1.4800	1.4770	1.4730
24.500			1.4830		
25.500	1.4840	1.4810	1.4790	1.4800	1.4750
26.500			1.4830		
27.500	1.4970	1.4950	1.4910	1.5010	1.4880

(REXP29) (05 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = .000

P = 2.3780

TABULATED SOURCE DATA - 058

AMES 11-97-010 058A,B SF2 + PA3 + BRA

MACH (1) = 1.599 PT (1) = 10.100 RN/L = 2.7760 Q(P51) = 4.2580

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-13.5000	-6.5000	-.5000	6.5000	13.5000
-28.500	-.0287	-.0454	-.0221	-.0439	.0000
-27.500	-.0356	-.0488	-.0267	-.0452	-.0091
-26.500	-.0241	-.0422	-.0421	-.0498	-.0222
-25.500	-.0352	-.0313	-.0419	-.0305	-.0079
-24.500	-.0221	-.0374	-.0320	-.0427	-.0209
-23.500	-.0244	-.0329	-.0301	-.0262	-.0239
-22.500	-.0382	-.0410	-.0277	-.0180	-.0241
-21.500	-.0311	-.0338	-.0368	-.0350	-.0341
-20.500	-.0355	-.0316	-.0326	-.0293	-.0293
-19.500	-.0302	-.0284	-.0338	-.0375	-.0322
-18.500	-.0203	-.0329	-.0304	-.0302	-.0419
-17.500	-.0373	-.0413	-.0323	-.0227	-.0215
-16.500	-.0285	-.0259	-.0217	-.0239	-.0318
-15.500	-.0356	-.0229	-.0192	-.0236	-.0389
-14.500	-.0326	-.0322	-.0250	-.0122	-.0352
-13.500	-.0203	-.0244	-.0252	-.0202	-.0201
-12.500	-.0327	-.0346	-.0242	-.0242	-.0099
-11.500	-.0302	-.0286	-.0299	-.0242	-.0239
-10.500	.0000	-.0238	-.0342	-.0187	-.0218
-9.500	-.0297	-.0272	-.0335	-.0151	-.0270
-8.500	-.0140	-.0285	-.0262	-.0197	-.0111
-7.500			-.0189		
-6.500					
-5.500					
-4.500					
-3.500					
-2.500					
-1.500					
-.500					
.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					

ORIGINAL PAGE IS
OF POOR QUALITY

AMES 11-97-010 058A,B SF2 ♦ PA3 ♦ BRA

(PEXP29)

AMES 11-97-010 058A,B SF2 ♦ PA3 ♦ BRA

SECTION: 1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5000	6.5000	13.5000
---	----------	---------	-------	--------	---------

x

12.500	-.0268	.0336	-.0165	-.0154	-.0105
13.500			-.0189		
14.500	.0000	-.0277	-.0281	-.0259	-.0210
15.500			-.0218		
16.500	-.0311	-.0276	-.0218	-.0219	-.0200
17.500			-.0225		
18.500	-.0215	-.0313	-.0221	-.0157	-.0264
19.500			-.0223		
20.500	-.0108	-.0186	-.0218	-.0121	-.0175
21.500			.0014		
22.500	-.0114	.0441	.0473	-.0105	-.0033
23.500			.0692		
24.500	.1190	.0769	.0595	.0583	.0938
25.500			.0975		
26.500	.2398	.2547	.2487	.2709	.2264

MACH (2) = 1.700 PT (1) = 10.110 RN/L = 2.6630 Q(PS1) = 4.1430 P = 2.0470

SECTION: 11 PANEL:

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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28.500	-.0116	-.0236	-.0095	-.0272	.0000
27.500			-.0067		
26.500	-.0209	-.0255	-.0284	-.0273	.0127
25.500			-.0289		
24.500	-.0090	-.0302	-.0356	-.0317	-.0004
23.500			-.0316		
22.500	-.0191	-.0221	-.0196	-.0265	.0107
21.500			-.0197		
20.500	-.0107	-.0306	-.0274	-.0248	-.0012
19.500			-.0264		
18.500	-.0136	-.0197	-.0212	-.0181	-.0131
17.500			-.0036		
16.500	-.0177	-.0152	-.0171	-.0095	-.0071
15.500			.0000		
14.500	-.0200	-.0186	-.0234	-.0168	-.0108
13.500			-.0182		
12.500	-.0245	-.0221	-.0096	-.0102	-.0146
11.500			-.0135		
10.500	-.0190	-.0129	-.0036	-.0117	-.0132
9.500			-.0055		
8.500	-.0050	-.0143	-.0042	-.0104	-.0217

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

$$\text{MACH (2)} = 1.700 \quad \text{PT (1)} = 10.110$$

SECTION : 1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

x

-7.500	-.0117	-.0016	-.0004	-.0003	.0021
-6.500			-.0040		
-5.500	-.0054	.0056	.0018	.0109	-.0078
-4.500			.0020		
-3.500			.0086		
-2.500	-.0111	-.0024	.0097	.0002	-.0146
-1.500			-.0031		
-.500	-.0044	-.0088	.0003	.0077	-.0072
1.500	.0009	.0009	-.0043	.0017	-.0050
2.500			.0076		
3.500	-.0031	.0035	.0032	.0053	.0098
4.500			-.0119		
5.500	-.0003	-.0046	-.0180	.0023	-.0102
6.500			-.0072		
7.500	.0000	-.0081	.0035	-.0031	-.0039
8.500			-.0061		
9.500	-.0032	-.0115	.0066	-.0066	-.0060
10.500			-.0132		
11.500	.0012	-.0087	.0084	-.0129	-.0003
12.500			-.0016		
13.500	-.0072	.0698	-.0111	-.0054	.0021
14.500			-.0042		
15.500	.0000	-.0150	.0162	-.0075	-.0093
16.500			-.0039		
17.500	-.0060	-.0036	.0050	-.0016	.0009
18.500			-.0072		
19.500	-.0012	-.0085	-.0057	.0026	-.1331
20.500			-.0076		
21.500	.0068	-.0048	-.0054	-.0016	-.0003
22.500			.0183		
23.500	-.0016	.0595	.0532	.0012	.0077
24.500			.0735		
25.500	.0991	.0788	.0680	.0633	.1044
26.500			.1032		
27.500	.2398	.2526	.2042	.2701	.2309

**ORIGINAL PAGE IS
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DATE 22 JAN 77

TABULATED SOURCE DATA - 058
AMES 11-97-010 058A.B SF2 + PA3 + BRA
(REXP29)

MACH (3) = 1.800 PT (1) = 10.100 RN/L = 2.5980 Q(PSI) = 3.9890 P = 1.7600

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-28.500	.0041	-.0127	.0026	-.0158	.0000
-27.500			-.0012		
-26.500	-.0093	-.0032	-.0130	-.0079	.0293
-25.500			-.0117		
-24.500	.0037	-.0151	-.0155	-.0111	.0139
-23.500			-.0092		
-22.500	-.0062	-.0065	.0036	-.0089	.0260
-21.500			-.0102		
-20.500	.0055	-.0151	-.0102	-.0151	.0140
-19.500			-.0068		
-18.500	.0026	-.0086	-.0052	-.0075	.0002
-17.500			.0005		
-16.500	-.0123	.0014	-.0055	.0050	.0001
-15.500			.0000		
-14.500	-.0093	-.0108	-.0158	-.0089	-.0102
-13.500			-.0080		
-12.500	-.0111	-.0105	.0002	-.0120	-.0086
-11.500			-.0074		
-10.500	-.0041	-.0096	-.0028	-.0151	-.0068
-9.500			-.0120		
-8.500	.0035	-.0117	-.0139	-.0143	-.0229
-7.500			.0014		
-6.500	-.0117	-.0093	-.0040	-.0008	-.0048
-5.500			-.0120		
-4.500	-.0093	-.0055	-.0093	.0048	-.0179
-3.500			-.0077		
-2.500	-.0127	-.0049	.0033	-.0096	-.0188
-1.500			-.0055		
.500	-.0078	-.0173	-.0077	.0059	-.0176
1.500			-.0071		
2.500	.0004	-.0071	-.0068	-.0003	-.0106
3.500			.0021		
4.500	-.0114	-.0016	-.0161	-.0015	.0044
5.500			-.0195		
6.500	-.0083	-.0043	-.0176	.0073	-.0074
7.500			-.0089		
8.500	.0000	-.0086	.0076	-.0080	-.0108
9.500			.0010		
10.500	-.0041	-.0105	-.0058	-.0071	-.0108
11.500			-.0089		
12.500	.0019	-.0068	-.0058	-.0074	-.0038
13.500			.0082		
14.500	-.0114	.0620	.0013	.0031	.0069
15.500			-.0024		
	.0000	-.0086	-.0089	.0042	-.0089

(REXP29)

DATE 22 JAN 77
 TABULATED SOURCE DATA - 058
 AVES 11-97-010 058A.B SF2 + PA3 + BRA

MACH (3) = 1.800 PT (1) = 10.100
 SECTION (1) PANEL
 DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
16.500					
17.500					
18.500					
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

MACH (4) = 1.900 PT (1) = 10.100 RN/L = 2.4970 QIPSI = 3.8090 P = 1.5070

SECTION (1) PANEL
 DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-28.500					
-27.500					
-26.500					
-25.500					
-24.500					
-23.500					
-22.500					
-21.500					
-20.500					
-19.500					
-18.500					
-17.500					
-16.500					
-15.500					
-14.500					
-13.500					
-12.500					
-11.500					
-10.500					
-9.500					
-8.500					
-7.500					
-6.500					
-5.500					
-4.500					

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DATE 22 JAN 77 TABULATED SOURCE DATA - 058

MACH (4) = 1.900 PT (1) = 10.100

(REXP29)

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-3.500					
-2.500					
-1.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

MACH (5) = 2.000 PT (1) = 10.090 RN/L = 2.4010 O(PS1) = 3.5098 P = 1.2880

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X					
-3.500					
-2.500					
-1.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

(REXP29)

DATE 22 JAN 77

TABLATED SOURCE DATA - OSB
AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

MACH (5) = 2.000 PT (1) = 10.090

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-13.5000	-6.5000	-5.0000	6.5000	13.5000
-23.500	-.0104	-.0080	-.0070	.0612	.0494
-22.500			.0077		
-21.500			.0004		
-20.500	.0002	-.0145	-.0046	-.0104	.0307
-19.500			-.0056		
-18.500	.0067	-.0046	-.0025	-.0036	.0012
-17.500			.0071		
-16.500	-.0063	.0088	-.0020	.0105	.0084
-15.500			.0000		
-14.500	-.0035	-.0030	-.0135	-.0022	-.0060
-13.500			-.0094		
-12.500	-.0125	-.0083	.0067	-.0018	-.0056
-11.500			-.0068		
-10.500	-.0073	-.0121	-.0001	-.0118	-.0101
-9.500			-.0101		
-8.500	.0088	-.0138	-.0104	-.0138	-.0149
-7.500			.0071		
-6.500	-.0046	.0023	.0079	.0047	.0159
-5.500			.0005		
-4.500	.0023	.0007	-.0053	.0193	-.0005
-3.500			-.0025		
-2.500	-.0070	.0053	.0105	.0079	-.0032
-1.500			-.0041		
-.500	-.0043	-.0043	-.0063	.0337	-.0063
.500			-.0074		
1.500	.0088	-.0001	.0040	.0180	-.0036
2.500			.0220		
3.500	.0033	.0111	.0096	.0064	.0173
4.500			.0036		
5.500	.0081	.0041	-.0043	.0156	.0019
6.500			.0002		
7.500	.0000	.0050	.0122	.0041	.0016
8.500			.0024		
9.500	-.0046	-.0036	-.0001	-.0008	-.0060
10.500			-.0056		
11.500	.0074	-.0036	-.0032	-.0077	.0002
12.500			.0081		
13.500	-.0012	.0860	.0000	-.0019	.0101
14.500			-.0012		
15.500	.0000	-.0071	-.0125	.0060	-.0060
16.500			-.0046		
17.500	-.0070	-.0070	.0111	-.0041	-.0042
18.500			.0004		
19.500	-.0035	-.0121	-.0039	-.0001	-.0177
20.500			-.0121		

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 238

AVES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REXP28)

MACH (5) = 2.000 PT (1) = 10.090

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
21.500 .0091 -.0077 -.0152 -.0080 -.0049
22.500 .0077
23.500 -.0018 .0241 .0096 -.0077 .0071
24.500 .0395
25.500 .0115 .0436 .0386 .0057 .0023
26.500 .0245
27.500 .1736 .1587 .1683 .1881 .1618

MACH (6) = 2.100 PT (1) = 10.110 RN/L = 2.3170 Q(PSI) = 3.4120 P = 1.1050

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0167 .0013 .0163 -.0001 .0000
-27.500 .0061
-26.500 .0004 .0140 .0018 .0142 .0530
-25.500 .0004
-24.500 .0090 .0007 -.0034 .0047 .0423
-23.500 .0075
-22.500 -.0009 .0040 .0237 .0065 .0614
-21.500 .0105
-20.500 .0136 -.0041 .0061 -.0023 .0418
-19.500 .0031
-18.500 .0185 .0050 .0082 .0121 .0128
-17.500 .0233
-16.500 .0029 .0212 .0108 .0228 .0138
-15.500 .0000
-14.500 .0018 .0058 -.0005 .0090 .0004
-13.500 .0029
-12.500 -.0030 .0036 .0230 .0072 .0032
-11.500 .0036
-10.500 .0027 .0006 .0116 -.0048 -.0009
-9.500 .0006
-8.500 .0174 -.0037 .0037 .0009 -.0056
-7.500 .0169
-6.500 .0029 .0133 .0065 .0185 .0192
-5.500 .0022
-4.500 .0051 .0040 -.0056 .0251 .0051
-3.500 .0019
-2.500 -.0030 .0047 .0129 .0097 -.0004
-1.500 .0022
-.500 .0024 -.0085 .0025 .0408 -.0027
.500 .0027

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 239

AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REXP29)

MACH (6) = 2.100 PT (1) = 10.110

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X
1.500 .0131 -.0044 -.0019 .0219 .0020
2.500 .0133 .0075 .0133 .0003 .0185
3.500 .0014 .0075 .0033 .0003 .0185
4.500 .0069 .0069 .0069 .0069 .0069
5.500 .0814 -.0022 -.0139 .0093 .0014
6.500 .0080 .0080 .0080 .0080 .0080
7.500 .0000 .0011 .0086 .0014 .0025
8.500 .0009 .0034 .0011 .0011 .0011
9.500 .0009 -.0034 .0019 .0007 -.0023
10.500 .0127 -.0037 .0033 -.0063 .0056
11.500 .0014 .1027 .0051 -.0008 .0163
12.500 .0000 .0000 .0067 .0152 .0011
13.500 .0009 .0011 .0222 .0058 .0032
14.500 .0027 -.0052 .0108 .0079 -.1033
15.500 .0198 .0035 .0007 .0028 .0038
16.500 .0047 .0337 .0258 .0064 .0131
17.500 .0202 .0531 .0462 .0219 .0130
18.500 .1783 .1612 .0397 .1861 .1697
19.500 .0047 .0147 .0043 -.0117 .0400
20.500 .0044 .0147 .0043 -.0117 .0400
21.500 .0044 .0147 .0043 -.0117 .0400
22.500 .0044 .0147 .0043 -.0117 .0400
23.500 .0044 .0147 .0043 -.0117 .0400
24.500 .0044 .0147 .0043 -.0117 .0400
25.500 .0044 .0147 .0043 -.0117 .0400
26.500 .0044 .0147 .0043 -.0117 .0400
27.500 .0044 .0147 .0043 -.0117 .0400

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OF FOUR QUALITY

MACH (7) = 2.200 PT (1) = 10.120 RV/L = 2.2230 O(PS1) = 3.2050 P = .94600

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X
-28.500 .0113 -.0148 .0044 -.0163 .0000
-27.500 .0060 .0047 .0123 .0044 .0495
-26.500 .0035 -.0111 .0170 -.0110 .0382
-25.500 .0035 -.0111 .0170 -.0110 .0382
-24.500 .0035 -.0111 .0170 -.0110 .0382
-23.500 .0035 -.0111 .0170 -.0110 .0382
-22.500 .0035 -.0111 .0170 -.0110 .0382
-21.500 .0035 -.0111 .0170 -.0110 .0382
-20.500 .0035 -.0111 .0170 -.0110 .0382
-19.500 .0035 -.0111 .0170 -.0110 .0382

(REXP29)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (7) = 2.200 PT (1) = 10.120
 AMES 11-97-010 058A.8 SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	8.5000	13.5000
X					
-18.500	.0120	-.0064	-.0044	.0017	.0017
-17.500			.0139		
-16.500	-.0022	.0143	-.0015	.0159	.0075
-15.500			.0000		
-14.500	-.0015	-.0019	-.0055	.0005	-.0006
-13.500			-.0029		
-12.500	-.0086	-.0039	.0143	.0004	-.0015
-11.500			.0012		
-10.500	-.0029	-.0031	.0099	-.0132	-.0078
-9.500			-.0031		
-8.500	.0155	-.0067	-.0056	-.0014	-.0110
-7.500			.0147		
-6.500	-.0014	.0136	-.0003	.0182	.0167
-5.500			.0007		
-4.500	.0046	.0016	-.0070	.0281	.0009
-3.500			-.0029		
-2.500	-.0047	.0015	.0166	.0105	-.0012
-1.500			.0028		
-.500	.0020	-.0085	.0053	.0539	-.0063
1.500			-.0031		
2.500	.0163	-.0060	-.0006	.0289	-.0028
3.500			.0162		
4.500	.0017	.0132	-.0022	.0010	.0170
5.500			-.0043		
6.500	-.0012	-.0003	-.0116	.0120	-.0006
7.500			-.0037		
8.500	.0000	-.0016	.0136	.0012	.0019
9.500			.0001		
10.500	-.0014	-.0031	.0038	.0034	-.0040
11.500			-.0055		
12.500	.0151	-.0029	-.0017	-.0039	.0044
13.500			.0147		
14.500	-.0010	.1136	.0008	-.0006	.0174
15.500			.0019		
16.500	.0000	-.0061	-.0109	.0128	-.0006
17.500			-.0044		
18.500	-.0055	-.0047	.0124	-.0022	.0015
19.500			-.0022		
20.500	-.0018	-.0124	-.0005	.0022	-.1026
21.500			-.0097		
22.500	.0182	-.0056	-.0118	-.0039	-.0022
23.500			.0151		
24.500	-.0014	.0258	.0132	.0010	.0159
25.500			.0400		
	.0161	.0458	.0432	.0182	.0136

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
 AMES 11-97-010 058A.B 572 + PA3 + BRA
 (REXP28)

MACH (7) = 2.200 PT (1) = 10.120
 SECTION (1) PANEL
 Y -13.5000 -6.5000 -.5000 6.5000 13.5000
 X
 26.500 .1632 .1474 .0349 .1728 .1614
 27.500 .1568
 MACH (8) = 2.300 PT (1) = 10.110 RN/L = 2.1310 Q1PS1) = 2.9950 P = .80900

SECTION (1) PANEL
 Y -13.5000 -6.5000 -.5000 6.5000 13.5000
 Y
 -28.500 .0058 -.0234 .0025 -.0267 .0000
 -27.500 -.0125 -.0158 -.0008 .0500
 -26.500 -.0166 .0114 -.0189 -.0179 .0369
 -25.500 -.0088 -.0170 -.0240 -.0110 .0661
 -24.500 -.0242 -.0193 .0085 -.0125 .0319
 -23.500 -.0093 -.0253 -.0113 -.0230 .0055
 -22.500 .0033 -.0139 -.0130 -.0044 .0001
 -21.500 -.0158 .0081 -.0125 .0091 .0129
 -20.500 -.0146 -.0129 -.0203 -.0146 -.0113
 -19.500 -.0246 -.0164 .0093 -.0142 -.0117
 -18.500 -.0126 -.0191 .0057 -.0296 -.0226
 -17.500 .0099 -.0151 -.0174 -.0106 -.0188
 -16.500 -.0129 .0044 -.0061 .0087 .0074
 -15.500 -.0121 -.0113 -.0193 .0261 -.0096
 -14.500 -.0242 -.0172 -.0065 .0056 -.0146
 -13.500 -.0097 -.0244 -.0129 .0520 -.0222
 -12.500 .0082 -.0130 -.0093 .0255 -.0106
 -11.500 -.0105 .0065 -.0113 -.0060 .0099
 -10.500 -.0084 -.0100 -.0203 .0073 -.0100
 -9.500
 -8.500
 -7.500
 -6.500
 -5.500
 -4.500
 -3.500
 -2.500
 -1.500
 -.500
 .500
 1.500
 2.500
 3.500
 4.500
 5.500

AMES 11-97-010 OSBA.B SF2 ♦ PA3 ♦ BRA

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MACH (8) = 2.300 PT (1) = 10.110

SECTION : 11 PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5000	6.5000	13.5000
---	----------	---------	-------	--------	---------

x

6.500	.0000	-.0106	-.0085	-.0096	-.0080
7.500			-.0102		
8.500			-.0100		
9.500	-.0106	-.0154	-.0115	-.0123	-.0201
10.500			-.0178		
11.500	.0062	-.0081	-.0097	-.0174	-.0056
12.500			-.0097		
13.500	-.0100	.1255	-.0105	-.0081	.0091
14.500			-.0131		
15.500	.0000	-.0105	-.0211	.0089	-.0096
16.500			-.0077		
17.500	-.0160	-.0148	.0114	-.0095	-.0117
18.500			-.0092		
19.500	-.0097	-.0211	-.0131	-.0106	-.1076
20.500			-.0183		
21.500	.0082	-.0130	-.0139	-.0158	-.0151
22.500			.0110		
23.500	-.0125	.0163	-.0006	-.0097	.0029
24.500			.0157		
25.500	-.0059	.0260	.0222	.0098	-.0100
26.500			.0199		
27.500	.1224	.0865	.0974	.1190	.1204

MACH (9) =	2.401	PT (1) =	10.110	RN/L =	2.0330	Q(PSI) =	2.7860	P =	.6910C
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SECTION 111 PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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X

-28.500	0060	-.0264	-.0010	-.0343	.0000
-27.500			-.0211		
-26.500	-.0184	.0039	-.0178	-.0032	.0549
-25.500			-.0199		
-24.500	-.0123	-.0170	-.0262	-.0220	.0400
-23.500			-.0146		
-22.500	-.0277	-.0207	-.0066	-.0167	.0761
-21.500			-.0130		
-20.500	-.0166	-.0293	-.0176	-.0281	.0371
-19.500			-.0236		
-18.500	.0043	-.0173	-.0051	-.0107	-.0120
-17.500			.0061		
-16.500	-.0197	.0031	-.0166	.0100	-.0010
-15.500			.0000		
-14.500	-.0172	-.0139	-.0249	-.0171	-.0189

(REXP29)

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB

AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

MACH (9) = 2.401 PT (1) = 10.110

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-13.500	-6.500	-5.000	6.500	13.500
-13.500	-.0281	-.0185	-.0151	-.0172	-.0159
-12.500			-.0070		
-11.500			-.0130		
-10.500	-.0209	-.0231	-.0035	-.0304	-.0254
-9.500			-.0205		
-8.500	.0059	-.0186	-.0142	-.0209	-.0253
-7.500			-.0044		
-6.500	-.0189	.0022	-.0147	.0074	.0055
-5.500			-.0207		
-4.500	-.0176	-.0143	-.0293	.0290	-.0175
-3.500			-.0208		
-2.500	-.0304	-.0199	-.0013	.0073	-.0203
-1.500			-.0214		
-.500	-.0244	-.0320	-.0212	.0615	-.0317
.500			-.0275		
1.500	.0038	-.0208	-.0191	.0287	-.0253
2.500			-.0022		
3.500	-.0202	-.0026	-.0187	-.0146	.0030
4.500			.0247		
5.500	-.0194	-.0214	-.0329	-.0018	-.0215
6.500			-.0213		
7.500	.0000	-.0221	-.0004	-.0174	-.0172
8.500			-.0196		
9.500	-.0227	-.0298	-.0225	-.0207	-.0295
10.500			-.0306		
11.500	.0008	-.0204	-.0213	-.0298	-.0213
12.500			-.0004		
13.500	-.0233	.1380	-.0196	-.0195	.0043
14.500			-.0238		
15.500	.0000	-.0214	-.0346	.0013	-.0202
16.500			-.0217		
17.500	-.0246	-.0256	-.0004	-.0170	-.0190
18.500			-.0209		
19.500	-.0244	-.0333	-.0238	-.0185	-.1058
20.500			-.0315		
21.500	.0025	-.0230	-.0257	.0262	-.0253
22.500			.0013		
23.500	-.0220	.0079	-.0108	-.0182	-.0023
24.500			.0036		
25.500	-.0132	.0133	.0070	.0035	-.0206
26.500			.0088		
27.500	.1001	.0619	.0779	.0850	.1009

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

PAGE 244

MACH (10) = 2.505 PT (1) = 10.100 RN/L = 1.9:10 Q(PSI) = 2.5770 P = .58700 (REXP29)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.0077	-.0370	-.0048	-.0365	.0000
-27.500			-.0286		
-26.500	-.0348	-.0076	-.0292	-.0096	.0554
-25.500			-.0278		
-24.500	-.0248	-.0306	-.0417	-.0333	.0393
-23.500			-.0319		
-22.500	-.0365	-.0288	-.0062	-.0267	.0803
-21.500			-.0254		
-20.500	-.0207	-.0408	-.0250	-.0332	.0414
-19.500			-.0374		
-18.500	-.0020	-.0271	-.0257	.0509	.0814
-17.500			-.0038		
-16.500	-.0310	-.0005	-.0254	-.0806	-.0067
-15.500			.0000		
-14.500	-.0272	-.0254	-.0374	-.0338	-.0348
-13.500			-.0310		
-12.500	-.0346	-.0250	-.0057	-.0262	-.0305
-11.500			-.0273		
-10.500	-.0240	-.0374	-.0533	-.0399	-.0337
-9.500			-.0384		
-8.500	-.0001	-.0305	-.0290	-.0297	-.0259
-7.500			-.0010		
-6.500	-.0276	-.0843	-.0187	-.0082	-.0039
-5.500			-.0192		
-4.500	-.0243	-.0216	-.0346	.0304	-.0286
-3.500			-.0271		
-2.500	-.0322	-.0202	-.0048	.0109	-.0310
-1.500			-.0273		
.500	-.0240	-.0336	-.0264	.0805	-.0370
1.500			-.0398		
2.500	-.0034	-.0257	-.0319	.0353	-.0264
3.500			.0062		
4.500	-.0286	-.0052	-.0249	-.0228	-.0034
5.500			-.0235		
6.500	-.0243	-.0297	-.0393	-.0062	-.0310
7.500			-.0290		
8.500	.0000	-.0269	-.0038	-.0244	-.0272
9.500			-.0249		
10.500	-.0207	-.0389	-.0235	-.0231	-.0361
11.500			-.0365		
12.500	-.0034	-.0286	-.0281	-.0360	-.0221
13.500			-.0038		
14.500	-.0305	.9067	-.0254	-.0305	-.0025
15.500			-.0250		
	.0000	-.0292	-.0393	-.0062	-.0286

EXP291

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DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

MACH (10) = 2.505 PT (1) = 10.100
SECTION (1) PANEL DEPENDENT VARIABLE CP
Y -13.5800 -6.5000 -.5000 6.5000 13.5000

X					
16.500			-.0305		
17.500	.0161	-.0259	-.0062	-.0258	-.0272
18.500			-.0262		
19.500	-.0259	-.0398	-.0264	-.0245	-.0997
20.500			-.0413		
21.500	-.0029	-.0324	-.0353	-.0370	-.0259
22.500			-.0057		
23.500	-.0310	.0147	-.0220	-.0295	-.0077
24.500			-.0068		
25.500	.0378	.0027	-.0102	-.0033	-.0333
26.500			-.0061		
27.500	.0811	.0433	.0545	.0609	.0755

PARAMETRIC DATA

PT = 10.110 SF2 = 85.000

Q(PS1) = 4.2580 P = 2.3788

SECTION (1) PANEL		DEPENDENT VARIABLE CP	
MACH (1) = 1.599 PT (1) = 10.100 RN/L = 2.7330		Q(PS1) = 4.2580 P = 2.3788	
Y		-13.5000 -6.5000 -5.000 6.5000 13.5000	
X			
-28.500	1.2580	1.2570	1.2570 .0000
-27.500	1.2720	1.2720	1.2720
-26.500	1.2560	1.2410	1.2360 1.2540
-25.500	1.2580	1.2550	1.2490 1.2530
-24.500	1.2580	1.2550	1.2530 1.2530
-23.500	1.2610	1.2600	1.2580 1.2590
-22.500	1.2690	1.2630	1.2660 1.2630
-21.500	1.2670	1.2690	1.2680 1.2680
-20.500	1.2720	1.2730	1.2740 1.2710
-19.500	1.2790	1.2770	1.2850 1.2780
-18.500	1.2830	1.2890	1.2900 1.2850
-17.500	1.2910	1.2950	1.2970 1.2950
-16.500	1.2990	1.3030	1.3050 1.2970
-15.500	1.3090	1.3120	1.3130 1.3120
-14.500	1.3210	1.3220	1.3280 1.3230
-13.500	1.3330	1.3330	1.3330 1.3340
-12.500	1.3430	1.3470	1.3480 1.3440
-11.500	1.3560	1.3610	1.3570 1.3520
-10.500	1.3690	1.3740	1.3710 1.3640
-9.500	1.3820	1.3870	1.3860 1.3760
-8.500	.0000	1.3990	1.3920 1.3890
-7.500	1.4070	1.4120	1.4080 1.4030
-6.500	1.4200	1.4230	1.4170 1.4130

(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

MACH (1) = 1.599 PT (1) = 10.100

AVES 11-97-010 C38A.B SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	12.500	1.4310	1.4090	1.4280	1.4310	1.4240
13.500	1.4330	1.4350	1.4350	1.4350	1.4330	1.4330
14.500	1.4350	1.4370	1.4370	1.4370	1.4350	1.4350
15.500	1.4370	1.4390	1.4390	1.4390	1.4370	1.4370
16.500	1.4390	1.4410	1.4410	1.4410	1.4390	1.4390
17.500	1.4410	1.4430	1.4430	1.4430	1.4410	1.4410
18.500	1.4430	1.4450	1.4450	1.4450	1.4430	1.4430
19.500	1.4450	1.4470	1.4470	1.4470	1.4450	1.4450
20.500	1.4470	1.4490	1.4490	1.4490	1.4470	1.4470
21.500	1.4490	1.4510	1.4510	1.4510	1.4490	1.4490
22.500	1.4510	1.4530	1.4530	1.4530	1.4510	1.4510
23.500	1.4530	1.4550	1.4550	1.4550	1.4530	1.4530
24.500	1.4550	1.4570	1.4570	1.4570	1.4550	1.4550
25.500	1.4570	1.4590	1.4590	1.4590	1.4570	1.4570
26.500	1.4590	1.4610	1.4610	1.4610	1.4590	1.4590
27.500	1.4610	1.4630	1.4630	1.4630	1.4610	1.4610

MACH (2) = 1.700 PT (1) = 10.100 RV/L = 2.6820

Q(PS1) = 4.1390

P = 2.0450

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-28.500	1.2450	1.2430	1.2440	1.2450	.0000
-27.500	1.2470	1.2410	1.2420	1.2430	1.2440	1.2450
-26.500	1.2490	1.2390	1.2400	1.2410	1.2420	1.2430
-25.500	1.2510	1.2370	1.2380	1.2390	1.2400	1.2410
-24.500	1.2530	1.2350	1.2360	1.2370	1.2380	1.2390
-23.500	1.2550	1.2330	1.2340	1.2350	1.2360	1.2370
-22.500	1.2570	1.2310	1.2320	1.2330	1.2340	1.2350
-21.500	1.2590	1.2290	1.2300	1.2310	1.2320	1.2330
-20.500	1.2610	1.2270	1.2280	1.2290	1.2300	1.2310
-19.500	1.2630	1.2250	1.2260	1.2270	1.2280	1.2290
-18.500	1.2650	1.2230	1.2240	1.2250	1.2260	1.2270
-17.500	1.2670	1.2210	1.2220	1.2230	1.2240	1.2250
-16.500	1.2690	1.2190	1.2200	1.2210	1.2220	1.2230
-15.500	1.2710	1.2170	1.2180	1.2190	1.2200	1.2210
-14.500	1.2730	1.2150	1.2160	1.2170	1.2180	1.2190
-13.500	1.2750	1.2130	1.2140	1.2150	1.2160	1.2170
-12.500	1.2770	1.2110	1.2120	1.2130	1.2140	1.2150
-11.500	1.2790	1.2090	1.2100	1.2110	1.2120	1.2130
-10.500	1.2810	1.2070	1.2080	1.2090	1.2100	1.2110
-9.500	1.2830	1.2050	1.2060	1.2070	1.2080	1.2090
-8.500	1.2850	1.2030	1.2040	1.2050	1.2060	1.2070

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(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
 MACH (2) = 1.700 PT (1) = 10.100
 AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-7.500	1.3230	1.3280	1.3270	1.3320	1.3280
-6.500			1.3360		
-5.500			1.3400		
-4.500	1.3380	1.3420	1.3430	1.3440	1.3420
-3.500			1.3510		
-2.500	1.3530	1.3540	1.3560	1.3570	1.3550
-1.500			1.3640		
-.500	1.3670	1.3670	1.3740	1.3710	1.3680
.500			1.3820		
1.500	1.3930	1.3880	1.3960	1.3830	1.3800
2.500			1.3970		
3.500	1.3970	1.4020	1.4040	1.4010	1.3940
4.500			1.4110		
5.500	1.4130	1.4130	1.4180	1.4150	1.4070
6.500			1.4230		
7.500	.0000	1.4300	1.4290	1.4270	1.4200
8.500			1.4360		
9.500	1.4390	1.4400	1.4410	1.4360	1.4330
10.500			1.4490		
11.500	1.4520	1.4530	1.4550	1.4450	1.4460
12.500			1.4600		
13.500	1.4610	1.4360	1.4630	1.4650	1.4560
14.500			1.4690		
15.500	.0000	1.4640	1.4680	1.4730	1.4630
16.500			1.4690		
17.500	1.4720	1.4660	1.4710	1.4750	1.4670
18.500			1.4760		
19.500	1.4760	1.4670	1.4810	1.4780	1.4690
20.500			1.4830		
21.500	1.4780	1.4710	1.4780	1.4760	1.4770
22.500			1.4840		
23.500	1.4780	1.4830	1.4820	1.4770	1.4790
24.500			1.4850		
25.500	1.4780	1.4830	1.4880	1.4810	1.4800
26.500			1.4930		
27.500	1.4900	1.4960	1.5030	1.5020	1.4970

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS8
 AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REXP30)

MACH (3) = 1.800 PT (1) = 10.110 RVL = 2.5920 Q(P91) = 3.9310 P = 1.7800

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	1.2050	1.2040	1.2040	1.2070	.0000
-27.500			1.2410		
-26.500	1.2040	1.1740	1.1720	1.1670	1.2040
-25.500			1.1880		
-24.500	1.2110	1.2070	1.2070	1.2050	1.2050
-23.500			1.2170		
-22.500	1.2230	1.2200	1.2220	1.2200	1.2170
-21.500			1.2210		
-20.500	1.2390	1.2300	1.2280	1.2320	1.2260
-19.500			1.2420		
-18.500	1.2410	1.2460	1.2440	1.2440	1.2400
-17.500			1.2520		
-16.500	1.2520	1.2630	1.2620	1.2530	1.2530
-15.500			.0000		
-14.500	1.2660	1.2720	1.2770	1.2720	1.2680
-13.500			1.2790		
-12.500	1.2770	1.2850	1.2910	1.2900	1.2830
-11.500			1.2940		
-10.500	1.2940	1.2990	1.3060	1.3040	1.3010
-9.500			1.3120		
-8.500	1.3120	1.3160	1.3170	1.3220	1.3110
-7.500			1.3240		
-6.500	1.3280	1.3300	1.3330	1.3380	1.3350
-5.500			1.3450		
-4.500	1.3480	1.3500	1.3570	1.3520	1.3540
-3.500			1.3660		
-2.500	1.3670	1.3700	1.3780	1.3740	1.3700
-1.500			1.3820		
.500	1.3860	1.3910	1.3920	1.3890	1.3860
1.500			1.4020		
2.500	1.4040	1.4120	1.4120	1.4060	1.4030
3.500			1.4230		
4.500	1.4220	1.4270	1.4260	1.4230	1.4180
5.500			1.4310		
6.500	1.4390	1.4460	1.4380	1.4390	1.4320
7.500			1.4520		
8.500	.0000	1.4610	1.4550	1.4600	1.4460
9.500			1.4600		
10.500	1.4650	1.4670	1.4690	1.4740	1.4580
11.500			1.4730		
12.500	1.4770	1.4790	1.4790	1.4820	1.4660
13.500			1.4850		
14.500	1.4880	1.4560	1.4860	1.4880	1.4760
15.500			1.4870		
	.0000	1.4900	1.4960	1.5040	1.4850

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS9

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AMES 11-97-010 OS9A.B SF2 + PA3 + BRA

(REXP30)

MACH (3) = 1.800 PT (1) = 10.110

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500
1.4930	1.4930	1.4920	1.5010	1.5020	1.5010	1.4940	1.5010	1.4970	1.5010	1.5080	1.5010	1.5240
1.4890	1.5060	1.4990	1.4810	1.5070	1.4980	1.5010	1.4990	1.5040	1.5100	1.5060	1.5010	1.5230

MACH (4) = 1.900 PT (1) = 10.100 RN/L = 2.4990 Q(PS1) = 3.8080 P = 1.5060

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-25.500	-24.500	-23.500	-22.500	-21.500	-20.500	-19.500	-18.500	-17.500	-16.500	-15.500	-14.500	-13.500	-12.500	-11.500	-10.500	-9.500	-8.500	-7.500	-6.500	-5.500	-4.500
1.1650	1.1650	1.1630	1.1650	1.1610	1.1510	1.1610	1.1890	1.1910	1.2010	1.2100	1.2270	1.2370	1.2430	1.2670	1.2730	1.2850	1.2920	1.3060	1.3130	1.3270	1.3370	1.3480	1.3630	1.3680	1.3710
1.1660	1.1660	1.1300	1.1660	1.1760	1.1800	1.1870	1.2090	1.2060	1.2280	1.2180	1.2460	1.2340	1.2600	1.2520	1.2680	1.2730	1.3020	1.2970	1.3190	1.3130	1.3450	1.3420	1.3770	1.3650	1.3650

(REXP30)

DATE 22 JAN 77
 TABULATED SOURCE DATA - OSB
 AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

MACH (4) = 1.900 PT (1) = 10.100

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

1.3802	1.3970	1.3860
1.3940	1.4030	1.4060
1.4130	1.4190	1.4240
1.4320	1.4430	1.4480
1.4500	1.4560	1.4600
1.4740	1.4750	1.4730
1.4900	1.4930	1.4980
1.5030	1.5070	1.5000
1.5130	1.5210	1.5140
1.5230	1.5270	1.5280
1.530	1.5170	1.5170
1.5180	1.5180	1.5180
1.5190	1.5190	1.5190
1.5440	1.5490	1.5490
1.5510	1.5510	1.5510

MACH (5) = 2.000 PT (1) = 10.090 RM/L = 2.4080

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

.0475	.0318	.0000
.1863	.0396	.0916
.0531	.0736	.0860
.0744	.1030	.0846
.0264	.1277	

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Q(PS1) = 3.6110 P = 1.2890

(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

MACH (5) = 2.000 PT (1) = 10.090

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-23.500	.1772	.1376	.1342		
-22.500	.2136	.1875	.1752		
-21.500	.2228	.2436	.2223		
-20.500	.2411	.2604	.2651		
-19.500	.2436	.2706	.2808		
-18.500	.2428	.2862	.2920	.2967	
-17.500	.2599	.2931	.3100	.3154	.3103
-16.500	.2793	.3060	.3275	.3462	.3281
-15.500	.2935	.3274	.3509	.3612	.3544
-14.500	.3135	.3357	.3622	.3680	.3585
-13.500	.3415	.3663	.3906	.3704	.3691
-12.500	.3421	.3718	.3911	.3855	.3757
-11.500	.3555	.3776	.3947	.3904	.3896
-10.500	.3644	.3839	.4097	.4033	.4077
-9.500	.3776	.3981	.4036	.4229	.4114
-8.500	.3989	.4114	.4054	.4257	.4152
-7.500	.3981	.4096	.4183	.4206	.4143
-6.500	.4033	.4135	.4267	.4232	.4203
-5.500	.4000	.4088	.4246	.4174	.4271
-4.500	.4200	.4289	.4244	.4244	.4155
-3.500	.4264	.4179	.4389	.4193	.4077
-2.500	.4155	.4325	.4240	.4263	.4176
-1.500	.0000	.4285	.4302	.4134	.4070
-.500	.4034	.4167	.4176	.4070	.3291
1.500	.4012	.4191			
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					

(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
APES 11-97-010 OS8A.B SF2 + PA3 + BRA

MACH (5) = 2.000 PT (1) = 10.090

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X	.4063	.4203	.4152	.4143	.4084
21.500			.4314		
22.500			.4264	.4200	.4362
23.500	.4056	.4321	.4285		
24.500			.4389	.4535	.4745
25.500	.4388	.4507	.4575		
26.500			.4927	.5156	.5624
27.500	.5053	.5047			

MACH (6) = 2.100 PT (1) = 10.110 RN/L = 2.3140 O(PSI) = 3.4120 P = 1.1050

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X	.0269	.0312	.0514	.0384	.0000
-28.500			.1808		
-27.500			.0379	.0478	.0973
-26.500	.0577	.0591	.0619		
-25.500			.1039	.0688	.0854
-24.500	.0951	.1011	.1338		
-23.500			.1640	.1024	.1363
-22.500	.1220	.1548	.1636		
-21.500			.1924	.1441	.1669
-20.500	.1858	.2006	.2184		
-19.500			.2264	.2284	.1981
-18.500	.2188	.2292	.2573		
-17.500			.2557	.2645	.2512
-16.500	.2444	.2735	.0000		
-15.500			.2781	.2726	.2672
-14.500	.2670	.2857	.2957		
-13.500			.3163	.3020	.2865
-12.500	.2817	.2986	.3092		
-11.500			.3218	.3060	.3056
-10.500	.3007	.3154	.3234		
-9.500			.3333	.3315	.3174
-8.500	.3324	.3344	.3461		
-7.500			.3478	.3518	.3467
-6.500	.3308	.3590	.3579		
-5.500			.3588	.3683	.3460
-4.500	.3442	.3632	.3709		
-3.500			.3780	.3688	.3619
-2.500	.3527	.3644	.3763		
-1.500			.3792	.3828	.3701
-.500	.3651	.3773	.3762		
.500					

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DATE 22 JAN 77 TABULATED SOURCE DATA - 058

(REXP30)

AMES 11-97-010 058A.B SF2 + PA3 + BRA

MACH (6) = 2.100 PT (1) = 10.110

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	1.500	2.500	3.500	4.500	5.500	6.500	7.500	8.500	9.500	10.500	11.500	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500													
	.3913	.3821	.3947	.3871	.3828	.4028	.4016	.4027	.4016	.4103	.4179	.4107	.4117	.4099	.4143	.4095	.4222	.4085	.4132	.4201	.4182	.4139	.4200	.4251	.4161	.4135	.4092	.4052	.4190	.4128	.4164	.4298	.4208	.4356	.4477	.4598	.4555	.5005	.4996	.5460

MACH (7) = 2.200 PT (1) = 10.100 RN/L = 2.2210 Q(PSI) = 3.2000 P = .94400

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.0363	.0276	.0527	.0338	.0000
20.500			.1658		
27.500			.0788		.1056
26.500	.0779	.0923	.0940		
25.500			.1147	.0918	.1064
24.500	.1172	.1160	.1462		
23.500			.1807	.1342	.1711
22.500	.1446	.1604	.1883		
21.500			.2069	.1624	.1918
20.500	.2072	.1948	.2156		
19.500					

(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (7) = 2.200 PT (1) = 10.100
 AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-18.500	.2358	.2266	.2227	.2214	.2157
-17.500			.2461		
-16.500	.2444	.2610	.2444	.2576	.2503
-15.500			.0000		
-14.500	.2593	.2686	.2657	.2583	.2568
-13.500			.2785		
-12.500	.2702	.2875	.3049	.2882	.2755
-11.500			.2986		
-10.500	.2896	.2988	.3087	.2902	.2841
-9.500			.3058		
-8.500	.3185	.3154	.3116	.3104	.2996
-7.500			.3340		
-6.500	.3146	.3397	.3236	.3319	.3292
-5.500			.3348		
-4.500	.3259	.3351	.3304	.3497	.3215
-3.500			.3408		
-2.500	.3304	.3502	.3547	.3505	.3367
-1.500			.3574		
-.500	.3455	.3466	.3605	.3690	.3381
.500			.3586		
1.500	.3698	.3631	.3665	.3694	.3509
2.500			.3799		
3.500	.3624	.3818	.3778	.3685	.3744
4.500			.3817		
5.500	.3698	.3793	.3751	.3879	.3670
6.500			.3869		
7.500	.0000	.3924	.3929	.3874	.3791
8.500			.3874		
9.500	.3832	.3940	.3924	.3886	.3783
10.500			.3855		
11.500	.4000	.4004	.4004	.3867	.3862
12.500			.4028		
13.500	.3839	.4051	.3958	.3858	.3931
14.500			.3974		
15.500	.0000	.3985	.3878	.3914	.3762
16.500			.3936		
17.500	.3721	.3913	.3998	.3797	.3733
18.500			.3950		
19.500	.3713	.3801	.3943	.3793	.2976
20.500			.3840		
21.500	.3851	.3888	.3908	.3825	.3755
22.500			.4067		
23.500	.3789	.4086	.4031	.3888	.4039
24.500			.4020		
25.500	.4054	.4082	.4071	.4250	.4283

DATE 22 JAN 77

TABULATED SOURCE DATA - 058
AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

(REXP30)

MACH (7) = 2.200 PT (1) = 10.100

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
26.500 .4192
27.500 .4733 .4591 .4599 .4726 .5161

MACH (8) = 2.300 PT (1) = 10.130 RV/L = 2.1270 O(P51) = 2.9990 P = .81000

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
-28.500 .0191 .0096 .0383 .0128 .0000
-27.500 .1445
-26.500 .0459 .0788 .0271 .0486 .0894
-25.500 .0572 .0710 .0751
-24.500 .0865 .0656 .1225
-23.500 .1225 .1517 .1254
-22.500 .1437 .1118
-21.500 .1612 .1523 .1474
-20.500 .1701 .1752
-19.500 .1855 .2209
-18.500 .1931 .2028 .2199 .2258
-17.500 .2054 .2307 .0000 .2280
-16.500 .2249 .2380 .2353 .2284
-15.500 .2493 .2683 .2426 .2418
-14.500 .2587 .2623 .2710 .2556
-13.500 .2602 .2658 .2710 .2601 .2556
-12.500 .2687 .2839 .2795 .2709
-11.500 .2883 .2835 .3023 .3034
-10.500 .2951 .3134 .2981 .3115 .3034
-9.500 .3047 .3046 .3207 .2975
-8.500 .3135 .3135 .3154 .3006
-7.500 .3208 .3204 .3249 .3107
-6.500 .3177 .3190 .3232 .3210
-5.500 .3305 .3386 .3370 .3351
-4.500 .3522 .3522 .3454
-3.500 .3287 .3588 .3443 .3456
-2.500 .3496 .3483
-1.500 .3393 .3542 .3621 .3361
5.500

(REXP30)

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DATE 22 JAN 77
TABULATED SOURCE DATA - OS8
MACH (8) = 2.300 PT (1) = 10.130
AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SECTION (1) PANEL
DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
6.500	.0000	.3570	.3595	.3525	.3388
7.500	.3539	.3578	.3620	.3664	.3461
8.500	.3720	.3662	.3599	.3615	.3572
9.500	.3542	.3928	.3809	.3604	.3736
10.500	.0000	.3690	.3656	.3674	.3542
11.500	.3461	.3572	.3591	.3463	.3421
12.500	.3485	.3644	.3609	.3549	.2795
13.500	.3601	.3633	.3620	.3545	.3547
14.500	.3566	.3817	.3683	.3691	.3887
15.500	.3957	.3936	.3858	.4010	.4064
16.500	.4576	.4570	.3870	.4517	.4873
17.500			.4098		
18.500			.4437		
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

MACH (9) = 2.401 PT (1) = 10.110 RN/L = 2.0350 Q(PS1) = 2.7860 P = .69100

SECTION (1) PANEL
DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-28.500	.0011	-.0186	.0050	-.0186	.0000
-27.500	.0238	.0320	.0066	.0249	.0782
-26.500	.0415	.0407	.0147	.0293	.0608
-25.500	.0405	.0750	.0553	.0632	.1123
-24.500	.1085	.1014	.0949	.0920	.1084
-23.500	.1364	.1501	.1272	.1479	.1226
-22.500	.1565	.1961	.1754	.1862	.1707
-21.500	.1902	.1984	.0000	.1911	.1875
-20.500			.1959		
-19.500					
-18.500					
-17.500					
-16.500					
-15.500					
-14.500					

(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
 MACH (9) = 2.401 PT (1) = 10.110
 AVES 11-97-010 OS8A,B SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	8.5000	13.5000
X					
-13.500			.2152		
-12.500	.1985	.2288	.2450	.2172	.2106
-11.500			.2316		
-10.500	.2241	.2358	.2433	.2265	.2181
-9.500			.2429		
-8.500	.2571	.2533	.2542	.2444	.2360
-7.500			.2784		
-6.500	.2496	.2837	.2697	.2690	.2695
-5.500			.2726		
-4.500	.2619	.2768	.2749	.2938	.2589
-3.500			.2878		
-2.500	.2656	.2854	.3070	.2861	.2783
-1.500			.2936		
-.500	.2821	.2908	.3032	.3191	.2754
1.500			.3010		
2.500	.3096	.3878	.3127	.3143	.2941
3.500			.3330		
4.500	.3014	.3294	.3202	.3193	.3175
5.500			.3169		
6.500	.3062	.3153	.3192	.3360	.3063
7.500			.3259		
8.500	.0000	.3258	.3440	.3290	.3208
9.500			.3339		
10.500	.3228	.3325	.3351	.3271	.3167
11.500			.3299		
12.500	.3417	.3392	.3476	.3272	.3304
13.500			.3611		
14.500	.3231	.3792	.3450	.3299	.3417
15.500			.3444		
16.500	.0000	.3406	.3370	.3523	.3262
17.500			.3459		
18.500	.3171	.3399	.3638	.3335	.3270
19.500			.3454		
20.500	.3206	.3334	.3386	.3231	.2501
21.500			.3365		
22.500	.3364	.3375	.3375	.3285	.3251
23.500			.3673		
24.500	.3289	.3602	.3499	.3437	.3576
25.500			.3515		
26.500	.3664	.3682	.3665	.3858	.3980
27.500			.3795		
	.4414	.4238	.4173	.4265	.4806

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8
AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REXP30)

MACH (10) = 2.505 PT (1) = 10.110 RNYL = 1.9370 Q(PS1) = 2.5790 P = .58780

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-28.500	-.0065	-.0342	.0082	-.0255	.0000
-27.500			.0957		
-26.500	.0081	.0292	-.0007	.0177	.0805
-25.500			.0152		
-24.500	.0292	.0356	.0170	.0095	.0617
-23.500			.0583		
-22.500	.0286	.0739	.0849	.0392	.1120
-21.500			.0839		
-20.500	.1000	.0856	.1164	.0742	.1102
-19.500			.1225		
-18.500	.1333	.1349	.1234	.1340	.1148
-17.500			.1643		
-16.500	.1416	.1772	.1571	.1751	.1637
-15.500			.0000		
-14.500	.1646	.1781	.1688	.1703	.1670
-13.500			.1904		
-12.500	.1716	.2024	.2176	.1861	.1809
-11.500			.2034		
-10.500	.1938	.1987	.2176	.1907	.1883
-9.500			.2059		
-8.500	.2322	.2192	.2249	.2187	.2053
-7.500			.2500		
-6.500	.2211	.2523	.2383	.2540	.2445
-5.500			.2501		
-4.500	.2316	.2493	.2361	.2688	.2335
-3.500			.2522		
-2.500	.2334	.2639	.2780	.2632	.2412
-1.500			.2646		
.500	.2517	.2586	.2740	.3141	.2416
1.500			.2663		
2.500	.2835	.2728	.2713	.2893	.2574
3.500			.2975		
4.500	.2704	.3004	.2847	.2823	.2897
5.500			.2921		
6.500	.2785	.2895	.2835	.3066	.2737
7.500			.2933		
8.500	.0000	.3031	.3166	.2981	.2814
9.500			.3038		
10.500	.2895	.2955	.3093	.3079	.2785
11.500			.2974		
12.500	.3158	.3034	.3072	.2960	.2909
13.500			.3261		
14.500	.2948	.3575	.3086	.3015	.3139
15.500			.3136		
	.0000	.3062	.2993	.3185	.2900

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(REXP30)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (10) = 2.505 PT (1) = 10.110 AVES 11-97-010 058A.8 SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
16.500			.3015		
17.500	.2871	.3102	.3223	.2991	.2881
18.500			.3038		
19.500	.2876	.2960	.3050	.3017	.2214
20.500			.2936		
21.500	.3106	.3077	.2981	.2922	.2948
22.500			.3256		
23.500	.3005	.3337	.3129	.3158	.3339
24.500			.3222		
25.500	.3355	.3379	.3198	.3565	.3493
26.500			.3479		
27.500	.3984	.3977	.3819	.3881	.4307

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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AMES 11-97-010 058A.8 SF2 + PA3 + BRA

(REXP31) (05 SEP 74)

PARAMETRIC DATA

MACH (1) = 1.599 PF (1) = 10.110 RN/L = 2.7420 Q(P51) = 4.2620 P = 2.3810
SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X

-28.500	1.2030	1.2020	1.2020	1.2030	.0000
-27.500			1.2160		
-26.500	1.2010	1.1820	1.1820	1.1850	1.2000
-25.500			1.1930		
-24.500	1.2020	1.1980	1.2000	1.2010	1.1980
-23.500			1.2010		
-22.500	1.2040	1.2020	1.2070	1.2010	1.2020
-21.500			1.2020		
-20.500	1.2110	1.2060	1.2070	1.2070	1.2050
-19.500			1.2110		
-18.500	1.2090	1.2120	1.2120	1.2110	1.2100
-17.500			1.2160		
-16.500	1.2120	1.2150	1.2150	1.2160	1.2130
-15.500			.0000		
-14.500	1.2180	1.2170	1.2210	1.2210	1.2170
-13.500			1.2250		
-12.500	1.2220	1.2270	1.2290	1.2300	1.2230
-11.500			1.2270		
-10.500	1.2280	1.2330	1.2350	1.2320	1.2310
-9.500			1.2360		
-8.500	1.2340	1.2370	1.2400	1.2410	1.2320
-7.500			1.2430		
-6.500	1.2410	1.2450	1.2490	1.2490	1.2470
-5.500			1.2540		
-4.500	1.2510	1.2560	1.2580	1.2580	1.2570
-3.500			1.2630		
-2.500	1.2610	1.2650	1.2640	1.2640	1.2640
-1.500			1.2690		
.500	1.2730	1.2780	1.2790	1.2780	1.2730
1.500			1.2840		
2.500	1.2840	1.2870	1.2870	1.2870	1.2810
3.500			1.2910		
4.500	1.2960	1.2990	1.2960	1.2980	1.2920
5.500			1.3040		
6.500	1.3090	1.3090	1.3110	1.3060	1.3020
7.500			1.3160		
8.500	.0000	1.3260	1.3230	1.3180	1.3140
9.500			1.3280		
10.500	1.3350	1.3380	1.3370	1.3330	1.3270
11.500			1.3450		
	1.3490	1.3550	1.3520	1.3490	1.3410

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DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

(REXP31)

MACH (1) = 1.599 PT (1) = 10.110

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

12.500	1.3580	1.3580	1.3580	1.3580
13.500	1.3630	1.3460	1.3620	1.3550
14.500	.0000	1.3760	1.3750	1.3680
15.500	.0000	1.3760	1.3820	1.3680
16.500	1.3900	1.3900	1.3820	1.3810
17.500	1.4010	1.3990	1.3930	1.3870
18.500	1.4120	1.4150	1.3970	1.3980
19.500	1.4200	1.4210	1.4050	1.4020
20.500	1.4290	1.4300	1.4050	1.4100
21.500	1.4330	1.4330	1.4210	1.4180
22.500	1.4350	1.4350	1.4320	1.4280
23.500				
24.500				
25.500				
26.500				
27.500				

MACH (2) = 2.000 PT (1) = 10.090 RV/L = 2.4060 Q(PS1) = 3.6110 P = 1.2890

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5800 -.5000 6.5000 13.5000

X

-28.500	.0177	-.0034	.0232	.0099	.0000
-27.500	.0345	.0074	-.0061	.0106	.0714
-26.500	.0263	-.0010	-.0113	-.0027	.0407
-25.500	-.0037	-.0003	.0045	.0031	.0560
-24.500	.0495	-.0051	.0027	-.0024	.0380
-23.500	.0249	.0202	.0099	.0192	.0233
-22.500	.0031	.0406	.0212	.0496	.0164
-21.500	.0250	.0416	.0452	.0813	.0103
-20.500	.0506	.0976	.0768	.1052	.0417
-19.500	.1083	.1601	.1481	.1677	.1088
-18.500	.1918	.2136	.1882	.2332	.1929
-17.500					
-16.500					
-15.500					
-14.500					
-13.500					
-12.500					
-11.500					
-10.500					
-9.500					
-8.500					

(REXP31)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A,B SF2 + PA3 + BRA

MACH (2) = 2.000 PT (1) = 10.090

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500	.2366	.2530	.2665	.2757	.2709
-6.500			.2807		
-5.500	.2728	.2865	.2876	.3008	.2906
-4.500			.3087		
-3.500	.2983	.3111	.3344	.3152	.3138
-2.500			.3288		
-1.500	.3186	.3230	.3377	.3462	.3295
-.500			.3473		
1.500	.3496	.3500	.3533	.3558	.3466
2.500			.3791		
3.500	.3503	.3737	.3728	.3698	.3748
4.500	.3684	.3810	.3786	.3937	.3749
5.500			.3926		
6.500	.0000	.3916	.4090	.3868	.3835
7.500			.4029		
8.500	.3913	.3955	.4052	.4087	.3911
9.500			.4106		
10.500	.4104	.4100	.4083	.4181	.4026
11.500			.4249		
12.500	.4050	.4107	.4138	.4247	.4240
13.500			.4196		
14.500	.0000	.4271	.4212	.4351	.4214
15.500			.4301		
16.500	.4177	.4308	.4382	.4305	.4234
17.500			.4305		
18.500	.4285	.4328	.4336	.4383	.3938
19.500			.4376		
20.500	.4416	.4394	.4421	.4407	.4371
21.500			.4585		
22.500	.4374	.4541	.4445	.4516	.4548
23.500			.4520		
24.500	.4521	.4588	.4543	.4663	.4579
25.500			.4738		
26.500	.4868	.4900	.4845	.4801	.4978
27.500					

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DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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(REXP31)

AMES 11-97-010.058A.8 SF2 + PA3 + BRA

MACH (3) = 2.505 PT (1) = 10.110 RNL = 1.9360 Q(PS1) = 2.5790 P = .58700

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.0123	-.0430	-.0004	-.0308	.0000
-27.500			.0657		
-26.500	-.0117	-.0229	-.0464	-.0057	.0704
-25.500			-.0431		
-24.500	.0076	-.0474	-.0573	-.0308	.0442
-23.500			-.0317		
-22.500	-.0382	-.0436	-.0215	-.0148	.0914
-21.500			-.0474		
-20.500	.0149	-.0510	-.0460	-.0343	.0390
-19.500			-.0534		
-18.500	.0029	-.0216	-.0423	-.0043	.0010
-17.500			-.0158		
-16.500	-.0280	-.0053	-.0325	.0105	-.0076
-15.500			.0000		
-14.500	-.0020	-.0138	-.0188	.0069	-.0294
-13.500			.0110		
-12.500	-.0113	.0202	.0577	.0547	.0066
-11.500			.0597		
-10.500	.0387	.0476	.0956	.0830	.0308
-9.500			.0971		
-8.500	.1146	.1146	.1185	.1376	.0956
-7.500			.1632		
-6.500	.1384	.1670	.1582	.1844	.1721
-5.500			.1729		
-4.500	.1776	.1678	.1712	.2024	.1762
-3.500			.1852		
-2.500	.1812	.1858	.2138	.2004	.2076
-1.500			.2014		
.500	.2030	.1909	.2094	.2598	.2033
1.500			.2054		
2.500	.2395	.2173	.2260	.2453	.2245
3.500			.2491		
4.500	.2273	.2482	.2341	.2394	.2600
5.500			.2420		
6.500	.2498	.2389	.2390	.2611	.2474
7.500			.2532		
8.500	.0000	.2526	.2787	.2533	.2685
9.500			.2643		
10.500	.2584	.2496	.2654	.2684	.2584
11.500			.2650		
12.500	.2861	.2687	.2792	.2684	.2884
13.500			.2993		
14.500	.2723	.3527	.2821	.2802	.3065
15.500			.2895		
	.0000	.2831	.2847	.3036	.2928

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REXP31)

MACH (3) = 2.505 PT (1) = 10.110

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	5.5000	13.5000
X					
16.500	.2871	.2919	.2955	.2907	.3109
17.500			.3141		
18.500	.3033	.2910	.2941	.2967	.2665
19.500			.2963		
20.500	.3308	.3056	.2924	.2948	.3110
21.500			.3037		
22.500	.3172	.3317	.3255	.3109	.3379
23.500			.3085		
24.500	.3461	.3318	.3164	.3394	.3311
25.500			.3141		
26.500	.3604	.3735	.3310	.3602	.3733
27.500			.3776		

TABULATED SOURCE DATA - OSB

DATE 22 JAN 77

(REXP32) (05 SEP 74)

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

PARAMETRIC DATA

PT = 10.110 SF2 = 53.000
P = 2.3810

MACH (1) = 1.599 PT (1) = 10.110 RV/L = 2.7470 Q(PS1) = 4.2620

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	1.1390	1.1360	1.1360	1.1350	.0000
-28.500	1.1390	1.1360	1.1360	1.1350	.0000
-27.500	1.1370	1.1200	1.1170	1.1160	1.1350
-26.500	1.1370	1.1200	1.1170	1.1160	1.1350
-25.500	1.1390	1.1340	1.1340	1.1350	1.1330
-24.500	1.1390	1.1340	1.1340	1.1350	1.1330
-23.500	1.1400	1.1370	1.1370	1.1380	1.1380
-22.500	1.1400	1.1370	1.1370	1.1380	1.1380
-21.500	1.1470	1.1400	1.1420	1.1400	1.1390
-20.500	1.1470	1.1400	1.1420	1.1400	1.1390
-19.500	1.1450	1.1460	1.1470	1.1470	1.1450
-18.500	1.1480	1.1480	1.1520	1.1510	1.1480
-17.500	1.1480	1.1480	1.1520	1.1510	1.1480
-16.500	1.1530	1.1550	1.1530	1.1560	1.1530
-15.500	1.1530	1.1550	1.1530	1.1560	1.1530
-14.500	1.1560	1.1600	1.1630	1.1650	1.1590
-13.500	1.1560	1.1600	1.1630	1.1650	1.1590
-12.500	1.1620	1.1670	1.1680	1.1690	1.1670
-11.500	1.1620	1.1670	1.1680	1.1690	1.1670
-10.500	1.1690	1.1680	1.1710	1.1760	1.1660
-9.500	1.1690	1.1680	1.1710	1.1760	1.1660
-8.500	1.1760	1.1780	1.1840	1.1830	1.1820
-7.500	1.1760	1.1780	1.1840	1.1830	1.1820
-6.500	1.1860	1.1890	1.1940	1.1920	1.1920
-5.500	1.1860	1.1890	1.1940	1.1920	1.1920
-4.500	1.1950	1.1970	1.2000	1.1980	1.2010
-3.500	1.1950	1.1970	1.2000	1.1980	1.2010
-2.500	1.2050	1.2100	1.2110	1.2110	1.2070
-1.500	1.2050	1.2100	1.2110	1.2110	1.2070
.500	1.2160	1.2170	1.2190	1.2180	1.2150
1.500	1.2160	1.2170	1.2190	1.2180	1.2150
2.500	1.2280	1.2300	1.2290	1.2300	1.2250
3.500	1.2280	1.2300	1.2290	1.2300	1.2250
4.500	1.2400	1.2440	1.2400	1.2390	1.2350
5.500	1.2400	1.2440	1.2400	1.2390	1.2350
6.500	.0000	1.2590	1.2530	1.2530	1.2470
7.500	.0000	1.2590	1.2530	1.2530	1.2470
8.500	1.2670	1.2660	1.2670	1.2650	1.2580
9.500	1.2670	1.2660	1.2670	1.2650	1.2580
10.500	1.2820	1.2840	1.2840	1.2800	1.2710
11.500	1.2820	1.2840	1.2840	1.2800	1.2710

AMES 11-97-010 OSBA.B SF2 + PA3 + BRA

MACH (1) = 1.599 PT (1) = 10.110

SECTION 111 PANEL

DEPENDENT VARIABLE CP*

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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x

12.500	1.2980	1.2780	1.2920	1.2950	1.2950	1.2870
13.500			1.3080	1.3080		
14.500	.0000	1.3130	1.3150	1.3150	1.3070	1.3030
15.500			1.3200	1.3200		
16.500			1.3270	1.3300	1.3250	1.3170
17.500	1.3280		1.3380	1.3440	1.3380	1.3180
18.500	1.3400	1.3400	1.3520	1.3530		
19.500			1.3570	1.3630	1.3510	1.3440
20.500	1.3550	1.3570	1.3660	1.3680	1.3620	1.3530
21.500			1.3720	1.3720		
22.500	1.3690	1.3660	1.3750	1.3750	1.3720	1.3640
23.500			1.3800	1.3760		
24.500				1.3910	1.3910	1.3790
25.500						
26.500						
27.500	1.3920	1.3850				

MACH (2) = 2.000 PT (1) = 10.090 RVL = 2.4050 Q(PS) = 3.6110 P = 1.2890

SECTION (I) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5000	6.5000	13.5000
---	----------	---------	-------	--------	---------

x

28.500	.0147	-.0072	.0194	.0051	.0000
27.500			.1001		
26.500	.0297	.0060	-.0044	.0065	.0629
25.500			-.0013		
24.500	.0295	-.0227	-.0101	-.0017	.0396
23.500			.0031		
22.500	-.0038	.0004	.0121	.0040	.0582
21.500			.0007		
20.500	.0427	-.0043	.0038	-.0044	.0370
19.500			-.0008		
18.500	.0194	.0144	.0045	.0899	.0226
17.500			.0162		
16.500	-.0034	.0230	.0024	.0167	.0127
15.500			.0000		
14.500	.0050	.0058	-.0050	.0028	-.0027
13.500			.0004		
12.500	-.0120	.0021	.0166	.0057	-.0049
11.500			.0028		
10.500	-.0006	-.0039	.0151	-.0075	-.0103
9.500			.0029		
8.500	.0140	.0028	.0222	.0045	-.0088

(REXP32)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

MACH (2) = 2.000 PT (1) = 10.090

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5800 -.5000 6.5000 13.5000

X	-7.500	-6.500	-5.500	-4.500	-3.500	-2.500	-1.500	-.500	1.500	2.500	3.500	4.500	5.500	6.500	7.500	8.500	9.500	10.500	11.500	12.500	13.500	14.500	15.500	16.500	17.500	18.500	19.500	20.500	21.500	22.500	23.500	24.500	25.500	26.500	27.500				
	.0110	.0570	.0532	.0745	.1153	.1501	.1779	.2199	.2264	.2555	.2771	.2916	.3116	.3087	.3186	.3254	.3353	.3520	.3578	.3520	.3705	.3531	.3684	.3917	.3896	.3974	.3976	.4016	.3910	.4001	.4138	.4205	.4282	.4403	.4306	.4411	.4397	.4528	.4693
	.0636	.0636	.1500	.1500	.2018	.2657	.2247	.2874	.3213	.3075	.3244	.3462	.3520	.3404	.3705	.3531	.3684	.3917	.3896	.3974	.3976	.4016	.3910	.4001	.4138	.4205	.4282	.4403	.4306	.4411	.4397	.4528	.4693	.4727					

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

(REXP32)

AMES 11-97-010 098A,B SF2 + PA3 + BRA

P = .58700

MACH (3) = 2.505 PT (1) = 10.110 RV/L = 1.9388 Q(PSI) = 2.5790

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X

-28.500	-.0159	-.0449	-.0050	-.0344	.0000
-27.500			.0420		
-26.500	-.0188	-.0079	-.0304	-.0102	.0621
-25.500			-.0226		
-24.500	-.0088	-.0309	-.0421	-.0355	.0396
-23.500			-.0185		
-22.500	-.0420	-.0226	-.0079	-.0294	.0763
-21.500			-.0323		
-20.500	.0109	-.0383	-.0283	-.0367	.0366
-19.500			.0430		
-18.500	-.0017	-.0114	-.0314	-.0058	.0009
-17.500			-.0094		
-16.500	-.0336	-.0027	-.0318	-.0064	-.0131
-15.500			.0000		
-14.500	-.0279	-.0252	-.0402	-.0331	-.0408
-13.500			-.0300		
-12.500	-.0439	-.0250	-.0070	-.0318	-.0394
-11.500			-.0299		
-10.500	-.0235	-.0359	-.0007	-.0449	-.0430
-9.500			-.0349		
-8.500	-.0074	-.0248	-.0157	-.0244	-.0335
-7.500			.0249		
-6.500	-.0274	.0139	.0207	.0159	-.0040
-5.500			.0494		
-4.500	-.0055	.0351	.0662	.0900	-.0035
-3.500			.0985		
-2.500	.0284	.0953	.1461	.1178	.0491
-1.500			.1431		
.500	.1068	.1246	.1621	.2107	.1080
1.500			.1539		
2.500	.1743	.1659	.1740	.1998	.1608
3.500			.2036		
4.500	.1751	.2098	.1948	.2008	.2024
5.500			.2098		
6.500	.1964	.2082	.2013	.2269	.1995
7.500			.2218		
8.500	.0000	.2274	.2498	.2268	.2136
9.500			.2349		
10.500	.2281	.2286	.2498	.2465	.2197
11.500			.2410		
12.500	.2576	.2505	.2567	.2454	.2458
13.500			.2802		
14.500	.2464	.3453	.2675	.2615	.2704
15.500			.2775		
	.0000	.2703	.2674	.2892	.2555

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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AVES 11-97-010 OS8A.B SF2 + PA3 + BBA

(REXP32)

MACH (3) = 2.509 PT (1) = 10.110

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.5000 6.5000 13.5000

X

16.500	.2643	.2909	.2844	.2818	.2696
17.500			.3082		
18.500	.2816	.2842	.2923	.2937	.2427
19.500			.3033		
20.500	.3071	.2959	.2918	.2904	.2897
21.500			.3031		
22.500	.2966	.3244	.3230	.3078	.3156
23.500			.3100		
24.500	.3117	.3200	.3209	.3353	.3100
25.500			.3115		
26.500	.3304	.3412	.3303	.3384	.3399
27.500			.3423		

(REXP33) (05 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 45.000

P = 2.3820

TABULATED SOURCE DATA - 058

AMES 11-97-010.058A.B SF2 + PA3 + BRA

MACH (1) = 1.599 PT (1) = 10.110 RN/L = 2.7990 Q(PS1) = 4.2640

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	1.0690	1.0650	1.0660	1.0650	.0000
-28.500	1.0690	1.0650	1.0660	1.0650	.0000
-27.500	1.0650	1.0470	1.0400	1.0410	1.0670
-26.500	1.0650	1.0470	1.0520	1.0520	1.0620
-25.500	1.0680	1.0670	1.0590	1.0590	1.0620
-24.500	1.0680	1.0670	1.0610	1.0610	1.0680
-23.500	1.0690	1.0670	1.0660	1.0660	1.0680
-22.500	1.0690	1.0670	1.0670	1.0670	1.0700
-21.500	1.0770	1.0680	1.0690	1.0690	1.0700
-20.500	1.0770	1.0680	1.0710	1.0710	1.0740
-19.500	1.0750	1.0760	1.0790	1.0790	1.0740
-18.500	1.0750	1.0760	1.0820	1.0820	1.0770
-17.500	1.0780	1.0790	1.0830	1.0830	1.0770
-16.500	1.0780	1.0790	.0000	.0000	1.0820
-15.500	1.0840	1.0830	1.0870	1.0870	1.0820
-14.500	1.0840	1.0830	1.0910	1.0910	1.0890
-13.500	1.0870	1.0930	1.0940	1.0970	1.0890
-12.500	1.0870	1.0930	1.0960	1.1000	1.0980
-11.500	1.0930	1.0990	1.1030	1.1040	1.0980
-10.500	1.1000	1.1020	1.1080	1.1040	1.0960
-9.500	1.1070	1.1100	1.1170	1.1140	1.1150
-8.500	1.1180	1.1220	1.1250	1.1280	1.1240
-7.500	1.1270	1.1300	1.1330	1.1350	1.1330
-6.500	1.1390	1.1420	1.1450	1.1460	1.1400
-5.500	1.1510	1.1538	1.1530	1.1540	1.1460
-4.500	1.1630	1.1640	1.1640	1.1640	1.1570
-3.500	1.1760	1.1750	1.1740	1.1730	1.1660
-2.500	.0000	1.1890	1.1860	1.1880	1.1780
-1.500	1.2010	1.1990	1.1960	1.1970	1.1900
.500	1.2160	1.2190	1.2180	1.2150	1.2040
1.500	1.2160	1.2190	1.2180	1.2150	1.2040
2.500	1.2160	1.2190	1.2180	1.2150	1.2040
3.500	1.2160	1.2190	1.2180	1.2150	1.2040
4.500	1.2160	1.2190	1.2180	1.2150	1.2040
5.500	1.2160	1.2190	1.2180	1.2150	1.2040
6.500	1.2160	1.2190	1.2180	1.2150	1.2040
7.500	1.2160	1.2190	1.2180	1.2150	1.2040
8.500	1.2160	1.2190	1.2180	1.2150	1.2040
9.500	1.2160	1.2190	1.2180	1.2150	1.2040
10.500	1.2160	1.2190	1.2180	1.2150	1.2040
11.500	1.2160	1.2190	1.2180	1.2150	1.2040

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MACH (1) = 1.599 PT (1) = 10.110

(REXP33)

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
12.500				1.2250	
13.500	1.2310	1.2110		1.2310	1.2210
14.500				1.2410	
15.500	.0000	1.2470		1.2470	1.2360
16.500				1.2570	
17.500	1.2690	1.2650		1.2650	1.2530
18.500				1.2710	
19.500	1.2800	1.2800		1.2770	1.2520
20.500				1.2848	
21.500	1.2980	1.2970		1.2980	1.2830
22.500				1.2990	
23.500	1.3140	1.3070		1.3050	1.2980
24.500				1.3130	
25.500	1.3290	1.3130		1.3180	1.3140
26.500				1.3290	
27.500	1.3450	1.3410		1.3420	1.3300

MACH (2) = 2.000 PT (1) = 10.100 RN/L

= 2.4060

O(PS1) = 3.6130

P = 1.2900

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	.0110	-.0116	.0157	.0007	.0000
-27.500			.0720		
-26.500	.0211	.0011	-.0102	.0038	.0958
-25.500			-.0080		
-24.500	.0221	-.0085	-.0152	-.0049	.0347
-23.500			-.0020		
-22.500	-.0058	-.0056	.0069	-.0036	.0515
-21.500			-.0047		
-20.500	.0300	-.0101	-.0022	-.0075	.0323
-19.500			-.0056		
-18.500	.0137	.0083	-.0003	.0036	.0196
-17.500			.0113		
-16.500	-.0063	.0174	-.0034	.0127	.0089
-15.500			.0080		
-14.500	-.0049	-.0006	-.0108	-.0018	-.0077
-13.500			-.0051		
-12.500	-.0161	-.0059	.0123	-.0032	-.0124
-11.500			-.0041		
-10.500	-.0066	-.0101	.0074	-.0123	-.0127
-9.500			1.0073		
-8.500	.0079	-.0095	-.0041	-.0114	-.0172

(REXP33)

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
 MACH (2) = 2.000 PT (1) = 10.100 AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

SECTION: (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-7.500			.0123		
-6.500	-.0077	.0072	.0093	.0062	.0140
-5.500			.0060		
-4.500	-.0046	.0007	-.0025	.0215	-.0087
-3.500			.0103		
-2.500	-.0051	.0142	.0259	.0096	-.0042
-1.500			.0209		
-.500	.0053	.0420	.0570	.0614	.0168
.500			.1007		
1.500	.0623	.1239	.1167	.1230	.0645
2.500			.1779		
3.500	.1332	.2143	.2057	.2036	.1681
4.500			.2387		
5.500	.2194	.2508	.2492	.2585	.2314
6.500			.2679		
7.500	.0000	.2806	.2949	.2857	.2717
8.500			.3032		
9.500	.2953	.3010	.3138	.3134	.2945
10.500			.3157		
11.500	.3313	.3302	.3288	.3336	.3145
12.500			.3483		
13.500	.3363	.3432	.3521	.3541	.3490
14.500			.3582		
15.500	.0000	.3564	.3607	.3799	.3569
16.500			.3764		
17.500	.3534	.3801	.3877	.3767	.3664
18.500			.3890		
19.500	.3764	.3867	.3943	.3887	.3514
20.500			.4020		
21.500	.3993	.3942	.4200	.4008	.3928
22.500			.4102		
23.500	.4013	.4115	.4160	.4167	.4187
24.500			.4193		
25.500	.4229	.4194	.4335	.4319	.4229
26.500			.4399		
27.500	.4457	.4389	.4307	.4437	

ORIGINAL PAGE IS
OF POOR QUALITY

(REXP33)

AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

P = .58700

Q(PS1) = 2.5790

RN/L = 1.3380

(1) = 10.110

PT

MACH (3) = 2.505

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 5.5000 13.5000

X

-28.500	-.0186	-.0498	-.0082	-.0389	.0000
-27.500			.0180		
-26.500	-.0275	-.0138	-.0349	-.0139	.0576
-25.500			.0325		
-24.500	-.0097	-.0372	-.0484	-.0410	.0343
-23.500			.0262		
-22.500	-.0466	-.0340	-.0123	-.0284	.0754
-21.500			.0363		
-20.500	.0004	-.0465	-.0354	-.0408	.0317
-19.500			.0489		
-18.500	-.0053	-.0210	-.0372	-.0144	-.0068
-17.500			.0138		
-16.500	-.0386	-.0090	-.0353	-.0091	-.0153
-15.500			.0000		
-14.500	-.0274	-.0395	-.0465	-.0381	-.0462
-13.500			.0358		
-12.500	-.0471	-.0306	-.0123	-.0317	-.0389
-11.500			.0353		
-10.500	-.0312	-.0436	-.0105	-.0509	-.0466
-9.500			.0465		
-8.500	-.0101	-.0349	-.0329	-.0398	-.0417
-7.500			.0066		
-6.500	-.0381	-.0104	-.0243	-.0172	-.0134
-5.500			.0249		
-4.500	-.0327	-.0296	-.0402	.0215	-.0434
-3.500			.0305		
-2.500	-.0451	-.0287	-.0104	.0006	-.0418
-1.500			.0353		
-.500	-.0307	-.0422	-.0321	.0790	-.0336
.500			.0465		
1.500	.0076	-.0320	-.0358	.0534	-.0121
2.500			.0109		
3.500	.0305	-.0128	-.0296	.0586	.0657
4.500			.0263		
5.500	.1113	-.0334	-.0330	.1201	.1048
6.500			.0200		
7.500	.0000	-.0076	.0229	.1410	.1582
8.500			.0356		
9.500	.1741	.0390	.0733	.1691	.1714
10.500			.0942		
11.500	.2166	.1103	.1199	.1802	.1918
12.500			.1639		
13.500	.2070	.2964	.1568	.1975	.2352
14.500			.1700		
15.500	.0000	.1779	.1655	.2402	.2247

(REXP33)

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB
MACH (3) = 2.505 PT (1) = 10.110
SECTION (1) PANEL AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
16.500	.2333	.1992	.1870	.2358	.2443
17.500			.2187		
18.500	.2507	.2047	.2076	.2524	.2223
19.500			.2174		
20.500	.2804	.2329	.2148	.2513	.2607
21.500			.2329		
22.500	.2708	.2673	.2626	.2708	.2933
23.500			.2507		
24.500	.2950	.2672	.2610	.2992	.2847
25.500			.2556		
26.500	.3034	.3124	.2732	.3062	.3165
27.500			.3146		

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REXP34) (05 SEP 74)

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000
P = 2.3820

MACH (1) = 1.599 PT (1) = 10.110 RN/L = 2.7540 Q(PS1) = 4.2840
SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.0000	6.5000	13.5000
X					
-28.500	.9654	.9623	.9616	.9644	.0000
-27.500			.9819		
-26.500	.9628	.9439	.9353	.9400	.9648
-25.500			.9504		
-24.500	.9662	.9601	.9574	.9602	.9613
-23.500			.9588		
-22.500	.9684	.9696	.9644	.9664	.9667
-21.500			.9636		
-20.500	.9786	.9699	.9739	.9731	.9719
-19.500			.9836		
-18.500	.9787	.9841	.9832	.9749	.9772
-17.500			.9829		
-16.500	.9811	.9910	.9762	.9827	.9824
-15.500			.0000		
-14.500	.9879	.9876	.9891	.9889	.9872
-13.500			.9957		
-12.500	.9932	.9969	1.0000	1.0010	.9949
-11.500			.9964		
-10.500	1.0000	.9990	1.0090	1.0070	1.0050
-9.500			1.0070		
-8.500	1.0090	1.0070	1.0150	1.0130	1.0030
-7.500			1.0160		
-6.500	1.0160	1.0170	1.0220	1.0210	1.0250
-5.500			1.0270		
-4.500	1.0260	1.0240	1.0370	1.0350	1.0350
-3.500			1.0400		
-2.500	1.0390	1.0370	1.0440	1.0350	1.0430
-1.500			1.0450		
.500	1.0490	1.0480	1.0570	1.0530	1.0510
1.500			1.0580		
2.500	1.0610	1.0610	1.0630	1.0630	1.0580
3.500			1.0730		
4.500	1.0730	1.0730	1.0720	1.0760	1.0700
5.500			1.0770		
6.500	1.0870	1.0830	1.0850	1.0850	1.0790
7.500			1.0930		
8.500	.0000	1.1040	1.0990	1.0950	1.0900
9.500			1.1050		
10.500	1.1120	1.1130	1.1150	1.1080	1.1030
11.500			1.1220		
	1.1280	1.1310	1.1330	1.1260	1.1180

(REXP34)

DATE 22 JAN 77 TABULATED SOURCE DATA - USB
 MACH (1) = 1.599 PT (1) = 10.110
 AMES 11-97-010 058A.8 SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP
 Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	12.500	1.1390	1.1410	1.1350
13.500	1.1430	1.1243	1.1410	1.1350
14.500	.0000	1.1610	1.1590	1.1520
15.500	1.1780	1.1810	1.1700	1.1680
16.500	1.1960	1.1980	1.1900	1.1640
17.500	1.2170	1.2140	1.2090	1.2010
18.500	1.2350	1.2320	1.2260	1.2180
19.500	1.2520	1.2460	1.2410	1.2340
20.500	1.2750	1.2690	1.2580	1.2560

MACH (2) = 2.000 PT (1) = 10.100 RV/L = 2.4050 Q(PSI) = 3.6130 P = 1.2900

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
-28.500	.0089	-.0125	.0120	-.0015	.0000
-27.500	.0139	.0006	.0043	.0007	.0508
-26.500	.0195	-.0078	-.0095	-.0070	.0337
-25.500	.0075	-.0078	-.0140	-.0070	.0337
-24.500	.0195	-.0078	-.0140	-.0070	.0337
-23.500	.0195	-.0078	-.0140	-.0070	.0337
-22.500	-.0074	-.0065	-.0118	-.0054	.0500
-21.500	.0209	-.0075	-.0051	-.0091	.0307
-20.500	.0123	.0057	-.0037	.0028	.0127
-19.500	.0123	.0057	-.0055	.0028	.0127
-18.500	.0123	.0057	-.0012	.0028	.0127
-17.500	-.0056	.0139	.0134	.0089	.0072
-16.500	-.0056	.0139	-.0027	.0089	.0072
-15.500	-.0051	-.0034	.0000	-.0022	-.0073
-14.500	-.0051	-.0034	-.0099	-.0022	-.0073
-13.500	-.0152	-.0068	-.0065	-.0048	-.0133
-12.500	-.0152	-.0068	.0104	-.0048	-.0133
-11.500	-.0071	-.0099	-.0047	-.0142	-.0135
-10.500	-.0071	-.0099	-.0065	-.0142	-.0135
-9.500	.0059	-.0114	-.0068	-.0126	-.0171
-8.500	.0059	-.0114	-.0068	-.0126	-.0171

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 278

MACH (2) = 2.000 PT (1) = 10.100

(REXP34)

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500			.0104		
-6.500			.0086	.0041	.0133
-5.500		.0050	.0038		
-4.500		.0058	.0000	.0210	-.0066
-3.500			-.0005		
-2.500		.0069	.0132	.0069	-.0071
-1.500			-.0034		
-.500		-.0030	-.0034	.0322	.0016
.500			-.0044		
1.500	.0127	.0016	.0071	.0203	.0011
2.500			.0254		
3.500	.0043	.0132	.0113	.0266	.0150
4.500			.0041		
5.500	.0035	.0178	.0113	.0295	-.0135
6.500			.0516		
7.500	.0000	.0722	.0914	.0603	.0524
8.500			.1208		
9.500	.1345	.1731	.1718	.1714	.1584
10.500			.2095		
11.500	.2132	.2285	.2347	.2335	.2057
12.500			.2673		
13.500	.2471	.2932	.2748	.2696	.2703
14.500			.2864		
15.500	.0000	.3021	.2966	.3139	.2915
16.500			.3144		
17.500	.3116	.3240	.3428	.3250	.3093
18.500			.3408		
19.500	.3295	.3339	.3456	.3432	.3072
20.500			.3545		
21.500	.3533	.3671	.3579	.3589	.3480
22.500			.3789		
23.500	.3692	.3901	.3743	.3767	.3782
24.500			.3801		
25.500	.3883	.3935	.3864	.3942	.3856
26.500			.4003		
27.500	.4077	.4044	.4027	.4000	.4054

ORIGINAL PAGE 14
P FOR QUALITY

(REXP34)

.58700

P

Q(PSI) = 2.5790

TABULATED SOURCE DATA - OSB

AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

10.110 RN/L = 1.9400

DEPENDENT VARIABLE CP

DATE 22 JAN 77

MACH (3) = 2.505 PT (1) =

SECTION (1) PANEL

-13.5000 -6.5000 -5.000 6.5000 13.5000

Y	X	-13.5000	-6.5000	-5.000	6.5000	13.5000
-28.500	-0.172	-0.086	-0.082	-0.085	.0000	
-27.500		-0.009	-0.040	-0.148	.0542	
-26.500	-0.0301	-0.122	-0.340	-0.349	.0351	
-25.500	-0.0153	-0.359	-0.466	-0.397	.0709	
-24.500	-0.0457	-0.358	-0.281	-0.330	.0330	
-23.500	-0.0081	-0.432	-0.118	-0.0409	.0330	
-22.500	-0.0053	-0.218	-0.382	-0.168	-.0096	
-21.500	-0.0354	-0.094	-0.466	-0.077	-.0158	
-20.500	-0.0316	-0.301	-0.132	-0.358	-.0430	
-19.500	-0.0442	-0.339	-0.000	-0.345	-.0412	
-18.500	-0.0442	-0.339	-0.118	-0.490	-.0447	
-17.500	-0.0330	-0.413	-0.432	-0.172	-.0124	
-16.500	-0.0082	-0.353	-0.070	.0230	-.0401	
-15.500	-0.0349	-0.094	-0.234	.0019	-.0431	
-14.500	-0.0340	-0.287	-0.370	.0672	-.0385	
-13.500	-0.0442	-0.301	-0.103	.0274	-.0359	
-12.500	-0.0364	-0.403	-0.442	.0274	-.0359	
-11.500	-0.0105	-0.329	-0.377	-.0123	-.0115	
-10.500	-0.0339	-0.118	-0.297	-.0070	-.0373	
-9.500	-0.0306	-0.316	-0.389	-.0072	-.0292	
-8.500	.0000	-0.085	-0.185	.0452	-.0049	
-7.500	.0249	.0499	.0801	.1066	.0785	
-6.500	.1061	.1124	.1191	.1454	.1661	
-5.500	.1290	.2957	.1580	.1975	.1721	
-4.500	.0000	.1796	.1723			
-3.500						
-2.500						
-1.500						
.500						
1.500						
2.500						
3.500						
4.500						
5.500						
6.500						
7.500						
8.500						
9.500						
10.500						
11.500						
12.500						
13.500						
14.500						
15.500						

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 280

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REXP34)

MACH (3) = 2.505 PT (1) = 10.110

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
16.500			.1881		
17.500	.1870	.1988	.2204	.2016	.1944
18.500			.2112		
19.500	.2002	.2088	.2181	.2162	.1865
20.500			.2180		
21.500	.2466	.2312	.2312	.2290	.2246
22.500			.2633		
23.500	.2411	.2718	.2514	.2480	.2671
24.500			.2569		
25.500	.2634	.2598	.2544	.2842	.2602
26.500			.2686		
27.500	.2715	.2796	.2801	.2753	.2849

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 281

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(PEXP35) (05 SEP 74)

PARAMETRIC DATA

MACH (1) = 1.599 PT (1) = 10.100 RN/L = 2.7550 Q(PS1) = 4.2600 P = 10.110 SF2 = 30.000

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	-.0211	-.0234	-.0009	-.0176	.0000
-27.500			.1205		
-26.500	.0063	-.0387	-.0444	-.0433	.0225
-25.500			-.0447		
-24.500	-.0067	-.0288	-.0441	-.0361	-.0062
-23.500			-.0352		
-22.500	-.0246	-.0293	-.0260	-.0291	-.0012
-21.500			-.0285		
-20.500	.0200	-.0272	-.0328	-.0333	-.0071
-19.500			-.0214		
-18.500	-.0055	-.0198	-.0242	-.0191	-.0073
-17.500			-.0142		
-16.500	-.0259	-.0061	-.0125	-.0046	-.0202
-15.500			.0000		
-14.500	-.0143	-.0003	-.0106	.0002	-.0242
-13.500			-.0161		
-12.500	-.0098	.0453	.0069	.0697	-.0244
-11.500			.0145		
-10.500	.0168	.0956	.0560	.1247	.0057
-9.500			.1409		
-8.500	.0808	.1266	.1699	.1842	.0664
-7.500			.2191		
-6.500	.1600	.2165	.2482	.2559	.1904
-5.500			.2734		
-4.500	.2427	.2702	.2846	.2774	.2674
-3.500			.3024		
-2.500	.2999	.3059	.3224	.3132	.3113
-1.500			.3396		
-.500	.3319	.3405	.3460	.3460	.3383
.500			.3556		
1.500	.3624	.3547	.3745	.3632	.3598
2.500			.3879		
3.500	.3740	.3833	.3878	.3948	.3866
4.500			.3965		
5.500	.3941	.3959	.3998	.4139	.3981
6.500			.4064		
7.500	.0000	.4145	.4182	.4203	.4100
8.500			.4267		
9.500	.4253	.4304	.4313	.4235	.4213
10.500			.4356		
11.500	.4426	.4311	.4431	.4307	.4323

ORIGINAL PAGE 18
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - OSR

PAGE 282

AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

(REXP35)

MACH (1) = 1.599 PT (1) = 10.100

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

12.500				.4555
13.500	.4492	.4257		.4554
14.500			.4489	.4475
15.500	.8000	.4592		.4563
16.500			.4624	.4519
17.500	.4719	.4638		.4805
18.500			.4723	.4617
19.500	.4805	.4749		.4821
20.500			.4798	.4556
21.500	.4991	.4980		.4888
22.500			.4906	.4871
23.500	.5050	.5146		.4944
24.500			.5058	.5058
25.500	.5172	.5263		.4975
26.500			.5175	.5123
27.500	.5359	.5353		.5250
			.5275	.5300

MACH (2) = 2.080 PT (1) = 10.100 RN/L = 2.4069

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-28.500	.0135	-.0096	.0159	.0007	.0000
-27.500			.0299		
-26.500	.0104	.0035	-.0066	.0060	.0499
-25.500			-.0050		
-24.500	.0207	-.0059	-.0139	-.0022	.0360
-23.500			-.0034		
-22.500	-.0055	-.0049	.0093	-.0043	.0494
-21.500			-.0001		
-20.500	.0168	-.0080	-.0039	-.0055	.0329
-19.500			-.0043		
-18.500	.0142	.0048	-.0020	.0031	.0137
-17.500			.0137		
-16.500	-.0018	.0144	-.0001	.0142	.0118
-15.500			1.0000		
-14.500	-.0053	-.0001	-.0094	.0009	-.0032
-13.500			-.0055		
-12.500	-.0113	-.0056	-.0144	-.0046	-.0128
-11.500			-.0029		
-10.500	-.0051	-.0101	.0057	-.0113	-.0099
-9.500			-.0070		
-8.500	.0118	-.0113	-.0065	-.0099	-.0136

0 (PSI) = 3.6130 P = 1.2900

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 283

MACH (2) = 2.000 PT (1) = 10.100

(REXP35)

AMES 11-97-010 OS8A.8 SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-7.500			.0113		
-6.500	-.0022	.0086	.0108	.0097	.0179
-5.500			.0060		
-4.500	-.0029	.0026	-.0036	.0228	-.0012
-3.500			.0004		
-2.500	-.0055	.0067	.0147	.0094	-.0070
-1.500			-.0008		
-.500	.0004	-.0029	-.0015	.0361	.0027
.500			-.0043		
1.500	.0166	.0024	.0072	.0204	.0024
2.500			.0262		
3.500	.0091	.0161	.0128	.0236	.0220
4.500			.0053		
5.500	.0026	.0074	-.0036	.0215	.0064
6.500			.0014		
7.500	.0000	.0057	-.0147	.0098	.0009
8.500			.0043		
9.500	.0120	.0029	.0070	.0074	-.0048
10.500			-.0008		
11.500	.0492	.0250	.0161	.0039	.0082
12.500			.0521		
13.500	.1046	.2216	.0931	.0835	.0621
14.500			.1597		
15.500	.0000	.2045	.1951	.1944	.1630
16.500			.2210		
17.500	.2188	.2131	.2583	.2427	.2293
18.500			.2629		
19.500	.2434	.2698	.2796	.2769	.2418
20.500			.2880		
21.500	.2949	.2942	.3035	.3020	.2902
22.500			.3286		
23.500	.3121	.3374	.3305	.3319	.3320
24.500			.3415		
25.500	.3322	.3421	.3449	.3592	.3466
26.500			.3610		
27.500	.3569	.3685	.3722	.3763	.3709

ORIGINAL PAGE 14
OF POOR QUALITY

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 284

AMES 11-97-010 OS8A.B SF2 + PA3 + BRA

(REXP35)

MACH (3) = 2.505

PT

(1) =

10.100

RN/L =

1.9380

Q(PS1) =

2.5770

P

=

.58700

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y -13.5000 -8.5000 -5.000 6.5000 13.5000

X

-28.500	-.0177	-.0461	-.0100	-.0389	.0000
-27.500			-.0149		
-26.500	-.0331	-.0152	-.0364	-.0162	.0500
-25.500			-.0363		
-24.500	-.0190	-.0350	-.0467	-.0369	.0377
-23.500			-.0273		
-22.500	-.0428	-.0358	-.0133	-.0343	.0692
-21.500			-.0331		
-20.500	-.0135	-.0443	-.0406	-.0409	.0340
-19.500			-.0448		
-18.500	-.0072	-.0206	-.0345	-.0163	-.0106
-17.500			-.0142		
-16.500	-.0321	-.0104	-.0340	-.0077	-.0158
-15.500			.0000		
-14.500	-.0343	-.0297	-.0429	-.0321	-.0388
-13.500			-.0345		
-12.500	-.0418	-.0353	-.0133	-.0367	-.0415
-11.500			-.0340		
-10.500	-.0312	-.0405	-.0171	-.0485	-.0437
-9.500			-.0424		
-8.500	-.0081	-.0331	-.0317	-.0393	-.0398
-7.500			-.0085		
-6.500	-.0312	-.0119	-.0245	-.0172	-.0134
-5.500			-.0296		
-4.500	-.0338	-.0283	-.0371	.0210	-.0345
-3.500			-.0288		
-2.500	-.0418	-.0305	-.0114	.0018	-.0434
-1.500			-.0340		
.500	-.0331	-.0385	-.0349	.0677	-.0394
1.500			-.0433		
2.500	-.0119	-.0297	-.0345	.0286	-.0340
3.500			-.0147		
4.500	-.0317	-.0147	-.0307	-.0139	-.0115
5.500			-.0372		
6.500	-.0348	-.0364	-.0448	-.0128	-.0336
7.500			-.0341		
8.500	.0000	-.0363	-.0123	-.0288	-.0381
9.500			-.0302		
10.500	-.0273	-.0424	-.0339	-.0329	-.0437
11.500			-.0409		
12.500	-.0072	-.0293	-.0307	-.0371	-.0312
13.500			-.0385		
14.500	-.0163	.2211	-.0211	-.0216	-.0081
15.500			-.0061		
	.0000	.0267	.0219	.0482	.0004

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(REXP35)

DATE 22 JAN 77 TABULATED SOURCE DA
 MACH (3) = 2.505 PT (1) = 10.100
 AXES
 = A,B SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
16.500	.0925	.1108	.0784	.1110	.0860
17.500			.1377		
18.500	.1210	.1389	.1359	.1434	.1088
19.500			.1453		
20.500	.1780	.1684	.1533	.1648	.1593
21.500			.1722		
22.500	.1813	.2173	.2078	.1890	.2120
23.500			.2090		
24.500	.2097	.2171	.2113	.2344	.2153
25.500			.2282		
26.500	.2230	.2402	.2413	.2402	.2394
27.500					

DATE 22 JAN 77

TABULATED SOURCE DATA - OSB

(REXP36) (05 SEP 74)

AMES 11-97-010 OSBA.8 SF2 + PA3 + BRA

PARAMETRIC DATA

PT = 10.110 SF2 = 24.000

P = 2.3790

MACH (1) = 1.599 PT (1) = 10.100 RN/L = 2.7630 Q(PS1) = 4.2600

DEPENDENT VARIABLE CP

SECTION (1) PANEL

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X

-28.500	-.0275	-.0383	-.0189	-.0330	.0000
-27.500			.0095		
-26.500	-.0161	-.0364	-.0418	-.0437	.0008
-25.500			-.0371		
-24.500	-.0055	-.0366	-.0423	-.0440	-.0143
-23.500			-.0386		
-22.500	-.0272	-.0246	-.0312	-.0253	-.0015
-21.500			-.0308		
-20.500	-.0079	-.0295	-.0310	-.0349	-.0112
-19.500			-.0234		
-18.500	-.0166	-.0270	-.0238	-.0210	-.0149
-17.500			-.0185		
-16.500	-.0326	-.0225	-.0206	-.0145	-.0220
-15.500			.0000		
-14.500	-.0264	-.0284	-.0306	-.0286	-.0297
-13.500			-.0273		
-12.500	-.0293	-.0269	-.0211	-.0253	-.0273
-11.500			-.0264		
-10.500	-.0276	-.0257	-.0168	-.0293	-.0243
-9.500			-.0237		
-8.500	-.0194	-.0299	-.0282	-.0274	-.0413
-7.500			-.0150		
-6.500	-.0309	-.0266	-.0154	-.0197	-.0171
-5.500			-.0197		
-4.500	-.0285	-.0209	-.0181	-.0093	-.0300
-3.500			-.0160		
-2.500	-.0310	-.0202	-.0116	-.0192	-.0322
-1.500			-.0209		
.500	-.0282	-.0280	-.0229	-.0075	-.0162
1.500			-.0231		
2.500	-.0168	-.0195	-.0209	-.0141	-.0131
3.500			-.0094		
4.500	-.0274	-.0205	-.0215	-.0143	-.0056
5.500			-.0278		
6.500	-.0282	-.0229	-.0312	-.0072	-.0169
7.500			-.0294		
8.500	.0000	-.0202	-.0179	-.0125	-.0143
9.500	.0238	-.0132	-.0177	-.0081	-.0115
10.500			-.0101		
11.500	.0970	.0844	.0392	.0150	.0206

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

PAGE 287

AMES 11-97-010 058A,B SF2 + PA3 + BRA

(REXP36)

MACH (1) = 1.599 PT (1) = 10.100

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
12.500			.0946		
13.500	.1676	.2014	.1567	.0975	.0990
14.500			.2035		
15.500	.0000	.2498	.2368	.2256	.1990
16.500			.2659		
17.500	.2696	.2893	.2992	.2826	.2673
18.500			.3104		
19.500	.2942	.3191	.3305	.3270	.3031
20.500			.3430		
21.500	.3363	.3425	.3512	.3555	.3357
22.500			.3730		
23.500	.3562	.3745	.3798	.3779	.3750
24.500			.3928		
25.500	.3800	.3893	.4011	.4077	.3951
26.500			.4110		
27.500	.4047	.4170	.4218	.4307	.4267

MACH (2) = 2.000 PT (1) = 10.100 RN/L = 2.4060 Q(PSI) = 3.6130 P = 1.2900

SECTION (1) PANEL

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
-28.500	.6132	-.0078	.0145	-.0015	.0000
-27.500			.0144		
-26.500	.0014	.0045	-.0073	.0053	.0444
-25.500			-.0058		
-24.500	.0151	-.0083	-.0135	-.0061	.0342
-23.500			-.0037		
-22.500	-.0025	-.0068	.0109	.0000	.0526
-21.500			-.0012		
-20.500	.0149	-.0101	-.0024	-.0053	.0344
-19.500			-.0050		
-18.500	.0125	.0038	-.0007	.0033	.0104
-17.500			.0133		
-16.500	-.0044	.0150	-.0032	.0125	.0104
-15.500			.0000		
-14.500	-.0044	-.0039	-.0104	-.0027	-.0054
-13.500			-.0054		
-12.500	-.0097	-.0075	.0130	-.0013	-.0092
-11.500			-.0056		
-10.500	-.0025	-.0097	.0045	-.0101	-.0077
-9.500			-.0080		
-8.500	.0111	-.0113	-.0072	-.0087	-.0100

(RE P36)

DATE 22 JAN 77 TABULATED SOURCE DATA - 058
 MACH (2) = 2.000 PT (1) = 10.100
 ANES 11-97-010 058A.B SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-8.5000	-5.5000	-5.5000	13.5000
X					
-7.500			.0116		
-6.500	-.0047	.0079	.0084	.0070	.0172
-5.500			.0052		
-4.500	-.0010	-.0001	-.0039	.0232	-.0010
-3.500			.0004		
-2.500	-.0043	.0082	.0147	.0070	-.0041
-1.500			-.0029		
-.500	.0009	-.0029	-.0024	.0342	.0033
1.500			-.0050		
2.500	.0135	.0024	.0058	.0204	.0043
3.500	.0041	.0154	.0262	.0188	.0210
4.500			.0058		
5.500	.0034	.0033	-.0039	.0204	.0098
6.500			.0024		
7.500	.0000	.0058	.0147	.0070	.0031
8.500			.0033		
9.500	.0043	-.0039	.0038	.0034	-.0019
10.500			-.0043		
11.500	.0182	-.0010	-.0010	-.0056	.0057
12.500			.0133		
13.500	.0034	.1216	.0009	.0007	.0121
14.500			.0024		
15.500	.0000	-.0042	-.0108	.0096	-.0003
16.500			.0021		
17.500	.0440	.0424	.0394	.0255	.0260
18.500			.0702		
19.500	.1319	.1532	.1404	.1431	.0672
20.500			.1860		
21.500	.2135	.2171	.2071	.2145	.2022
22.500			.2533		
23.500	.2380	.2692	.2598	.2512	.2573
24.500			.2776		
25.500	.2722	.2872	.2898	.3039	.2824
26.500			.3042		
27.500	.3069	.3234	.3288	.3254	.3152

DATE 22 JAN 77
 TABULATED SOURCE DATA - OSB
 AVES 11-97-010 OS8A.8 SF2 + PA3 + BRA
 (REXP361
 - .58700

MACH (31 = 2.505 PT (1) = 10.100 RV/L = 1.9390 Q(PSI) = 2.5770 P

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.000 6.5000 13.5000

X	-0.190	-0.0466	-0.128	-0.0461	.0000
-28.500	-0.0273	-0.0379	-0.0195	.0453	
-27.500	-0.0352	-0.0495	-0.0374	.0353	
-26.500	-0.0321	-0.0133	-0.0317	.0727	
-25.500	-0.0350	-0.0337	-0.0428	.0316	
-24.500	-0.0476	-0.0340	-0.0210	-0.0158	
-23.500	-0.0147	-0.0340	-0.0104	-0.0181	
-22.500	.0000	-0.0452	-0.0326	.0388	
-21.500	-0.0359	-0.0147	-0.0331	-0.0384	
-20.500	-0.0355	-0.0141	-0.0500	-0.0442	
-19.500	-0.0452	-0.0345	-0.0402	-0.0431	
-18.500	-0.0090	-0.0250	-0.0181	-0.0152	
-17.500	-0.0242	-0.0413	.0201	-0.0336	
-16.500	-0.0325	-0.0133	.0014	-0.0398	
-15.500	-0.0353	-0.0313	.0719	-0.0428	
-14.500	-0.0456	-0.0378	.0258	-0.0358	
-13.500	-0.0157	-0.0331	-0.0273	-0.0142	
-12.500	-0.0323	-0.0476	-0.0147	-0.0340	
-11.500	-0.0349	-0.0133	-0.0307	-0.0335	
-10.500	.0000	-0.0461	-0.0275	-0.0452	
-9.500	-0.0321	-0.0442	-0.0418	-0.0335	
-8.500	-0.0119	-0.0335	-0.0119	-0.0119	
-7.500	-0.0326	.2092	-0.0321	-0.0345	
-6.500	.0000	-0.0345	-0.0461	-0.0133	
-5.500				-0.0326	
-4.500					
-3.500					
-2.500					
-1.500					
-.500					
.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					

(REXP36)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
 MACH (3) = 2.505 PT (1) = 10.100
 AMES 11-97-010 058A.8 SF2 + PA3 + BRA

SECTION (1) PANEL DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
16.500			-.0349		
17.500	-.0365	-.0369	-.0147	-.0321	-.0331
18.500			-.0355		
19.500	-.0345	-.0442	-.0313	-.0280	-.1018
20.500			-.0418		
21.500	.0344	.0034	-.0028	-.0106	.0101
22.500			.0796		
23.500	.0937	.1220	.1028	.0982	.1192
24.500			.1269		
25.500	.1373	.1417	.1323	.1616	.1363
26.500			.1494		
27.500	.1568	.1829	.1880	.1734	.1703

(REXP37) (26 OCT 76)

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000
P = 2.3800

TABULATED SOURCE DATA - OSB
AMES 11-97-010 OS8A.B SF2 + PA2

DATE 22 JAN 77

MACH (1) = 1.500 PT (1) = 10.110 L = 2.7510
DEPENDENT VARIABLE CP

SECTION (1)
Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.9766	.9768	.0000	.0000	1.1150
-28.500					.9626
-27.500	.9741				.9573
-26.500	.9593				.9637
-25.500	.9762				.9713
-24.500	.9828				.9759
-23.500	.9792				.9847
-22.500	.9819				.9897
-21.500	.9834				.9969
-20.500	.9941				1.0060
-19.500	.9993				.9975
-18.500	1.0060				1.0180
-17.500	1.0120				1.0270
-16.500	1.0210				1.0350
-15.500	1.1190				1.0480
-14.500	1.0460				1.0550
-13.500	1.0580				1.0700
-12.500	1.0700				1.0790
-11.500	1.0830				1.0920
-10.500	1.0990				1.1090
-9.500	1.1100				1.1210
-8.500	.1250				1.1350
-7.500	1.1380				1.1510
-6.500	1.1160				1.1690
-5.500	1.1770				1.1870
-4.500	1.1940				1.2020
-3.500	1.2140				1.2200
-2.500	1.2300				1.2360
-1.500	1.2480				1.2580
-0.500	1.2650	1.2660	1.2680	1.2640	
0.500					
1.500					
2.500					
3.500					
4.500					
5.500					
6.500					
7.500					
8.500					
9.500					
10.500					
11.500					
12.500					
13.500					
14.500					
15.500					
16.500					
17.500					
18.500					
19.500					
20.500					
21.500					
22.500					
23.500					
24.500					
25.500					
26.500					
27.500					

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

AMES 11-97-010 OS8A.8 SF2 + PA2

(REXP37)

P = 2.0460

Q(P51) = 4.1430

RN/L = 2.6840

MACH (2) = 1.701 PT (1) = 10.110

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.7993	.8956	.0000	.0000	1.1020
-28.500					.8860
-27.500	.8934				.8786
-26.500	.8713				.8892
-25.500	.8965				.8941
-24.500	.9102				.9064
-23.500	.9093				.9187
-22.500	.9178				.9273
-21.500	.9307				.9379
-20.500	.9339				.9491
-19.500	.9426				.9506
-18.500	.9556				.9778
-17.500	.9674				.9894
-16.500	.9838				1.0030
-15.500	1.1020				1.0170
-14.500	1.0130				1.0340
-13.500	1.0330				1.0550
-12.500	1.0500				1.0670
-11.500	1.0700				1.0840
-10.500	1.0860				1.1040
-9.500	1.1050				1.1220
-8.500	1.1270				1.1420
-7.500	1.1440				1.1600
-6.500	1.1620				1.1790
-5.500	1.1850				1.1970
-4.500	1.2050				1.2130
-3.500	1.2280				1.2320
-2.500	1.2440				1.2440
-1.500	1.2610				1.2630
-0.500	1.2760	1.2740	1.2770	1.2700	

MACH (3) = 1.800 PT (1) = 10.110 RN/L = 2.5970

Q(P51) = 3.9930 P = 1.7610

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.8362	.8270	.0000	.0000	1.0950
-28.500					.8176
-27.500	.8303				.8127
-26.500	.8017				.8297
-25.500	.8363				.8369
-24.500	.8568				.8522
-23.500	.8573				

(REXP37)

DATE 22 JAN 77
 TABULATED SOURCE DATA - OSR
 ANES 11-97-010 OS8A.B SF2 + PA2

MACH (3) = 1.800 PT (1) = 10.110

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	Y	CP
-16.500	-13.5000	.8690
-14.500	-13.5000	.8796
-12.500	-13.5000	.8913
-10.500	-13.5000	.9049
-8.500	-13.5000	.9135
-6.500	-13.5000	.9464
-4.500	-13.5000	.9613
-2.500	-13.5000	.9782
.500	-13.5000	.9967
1.500	-13.5000	1.0200
3.500	-13.5000	1.0460
5.500	-13.5000	1.0620
7.500	-13.5000	1.0830
9.500	-13.5000	1.1040
11.500	-13.5000	1.1220
13.500	-13.5000	1.1450
15.500	-13.5000	1.1650
17.500	-13.5000	1.1870
19.500	-13.5000	1.2050
21.500	-13.5000	1.2240
23.500	-13.5000	1.2450
25.500	-13.5000	1.2610
27.500	-13.5000	1.2800

MACH (4) = 1.900 PT (1) = 10.120 RN/L = 2.5070 O(P51) = 3.8150 P = 1.5090

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	Y	CP
-28.500	-13.5000	.6882
-27.500	-13.5000	.7014
-26.500	-13.5000	.6996
-24.500	-13.5000	.6555
-22.500	-13.5000	.7373
-20.500	-13.5000	.8007
-18.500	-13.5000	.8177
-16.500	-13.5000	.8447
-14.500	-13.5000	.8666
-12.500	-13.5000	.8750
-10.500	-13.5000	.8854
-8.500	-13.5000	.9108
-6.500	-13.5000	.9299
-4.500	-13.5000	.9494

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

AMES : 1-97-010 058A.8 SF2 + PA2

(REXP37)

MACH (4) = 1.900 PT (1) = 10.120

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-2.500	1.0890	.9726
	-.500	.9887	.9935
	1.500	1.0140	1.0190
	3.500	1.0360	1.0460
	5.500	1.0600	1.0620
	7.500	1.0800	1.0820
	9.500	1.1270	1.1040
	11.500	1.1340	1.1270
	13.500	1.1550	1.1520
	15.500	1.0900	1.1720
	17.500	1.2030	1.1910
	19.500	1.2260	1.2050
	21.500	1.2500	1.2250
	23.500	1.2680	1.2480
	25.500	1.2850	1.2610
	27.500	1.3020	1.2780

MACH (5) = 2.000 PT (1) = 10.100 RV/L = 2.4090 Q(P51) = 3.6140 P = 1.2910

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0624	.0440	.0000	.0000	.2831
	-27.500	.0827				.0691
	-26.500	.0150				.0400
	-24.500	-.0169				.0546
	-22.500	.0376				.0269
	-20.500	.0230				.0113
	-18.500	.0021				.0095
	-16.500	.0123				.0021
	-14.500	-.0073				-.0054
	-12.500	-.0003				-.0049
	-10.500	-.0129				-.0167
	-8.500	.0079				.0149
	-6.500	.0123				.0004
	-4.500	.2563				.0171
	-2.500	.0075				.0002
	-.500	.0230				.0089
	1.500	.0110				.0312
	3.500	.0398				.0663
	5.500	.0906				.1505
	7.500	.1701				.2039
	9.500					

!iEXP371

DATE 22 JAN 77 TABELATED SOURCE DATA - 058

AMES 11-97-010 058A.B SF2 + PA2

MACH (5) = 2.000 PT (1) = 10.100

SECTION ()

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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[illegible]

MACH (6) = 2.100 PT (1) = 10.100 RN/L = 2.3180 Q(P51) = 3.4100 P = 1.104E

SECTION (1)

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X	.0707	.0608	.0000	.0000	.3074
28.500					.3074
29.500					.0804
26.500	.0955				.0517
24.500	.0259				.0571
22.500	-.0041				.0416
20.500	.0479				.0168
18.500	.0330				.0151
16.500	.0119				.0137
14.500	.0201				.0060
12.500	.0832				.0021
10.500	.0071				-.0110
8.500	-.0058				.0187
6.500	.0148				.0054
4.500	.0118				.0183
2.500	.2763				.0042
.500	.0071				.0082
1.500	.0187				.0294
3.500	-.0014				.0600
5.500	.0389				.1361
7.500	.0858				.1988
9.500	.1632				.2333
11.500	.2330				.2804
13.500	.2620				.2878
15.500	.2824				.3063
17.500	.2984				.3190
19.500	.3175				.3337
21.500	.3453				.3503
23.500	.3703				.3672

DATE 22 JAN 77

TABULATED SOURCE DATA - OCS
AMES 11-57-L :8A.B SF2 + PA2

(REXP37)

MACH (6) = 2.100 PT (1) = 10.100

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X				
25.500	.3688			.3691
27.500	.3853	.3879	.3818	.3861

MACH (7) = 2.200 PT (1) = 10.110 RN/L = 2.2280 Q(PS1) = 3.2030 P = .94500

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.0700	.0489	.0000	.0000	.3161
-28.500					.0727
-27.500	.0884				.0453
-26.500	.0176				.0646
-24.500	-.0194				.0377
-22.500	.0310				.0078
-20.500	.0249				.0065
-18.500	.0061				.0099
-16.500	.0126				-.0001
-14.500	-.0047				-.0074
-12.500	.0009				-.0195
-10.500	-.0049				.0127
-8.500	.0084				.0003
-6.500	.0069				.0092
-2.500	.2779				-.0040
-.500	.0043				-.0018
1.500	.0188				.0176
3.500	-.0085				.0353
5.500	.0223				.1027
7.500	.0531				.1657
9.500	.1298				.2048
11.500	.2064				.2557
13.500	.2234				.2615
15.500	.2846				.2757
17.500	.2656				.2660
19.500	.2822				.3010
21.500	.3157				.3367
23.500	.3200				.3377
25.500	.3369				.3546
27.500	.3504				
	.3553	.3527	.3515		

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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AMES 11-97-010 OS8A,B SF2 + PA2

(REXP37)

MACH (8) = 2.301 PT (1) = 10.110 RN/L = 2.1310 Q(PS1) = 2.9940 P = .80800

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0737	.0484	.0000	.0000	.3367
-27.500						.0729
-26.500	.0856					.0457
-24.500	.0087					.0683
-22.500	.0334					.0294
-20.500	.0239					.0008
-18.500	.0153					.0022
-16.500	.0074					.0049
-14.500	.0004					.0111
-12.500	.0230					.0222
-10.500	.0090					.0239
-8.500	.0100					.0059
-6.500	.0016					.0111
-4.500	.0070					.0024
-2.500	.2955					.0185
.500	.0066					.0090
1.500	.0124					.0104
3.500	.0160					.0128
5.500	.0078					.0671
7.500	.0220					.1294
9.500	.0885					.1766
11.500	.1730					.2302
13.500	.1951					.2322
15.500	.2972					.2470
17.500	.2355					.2529
19.500	.2593					.2741
21.500	.2984					.3098
23.500	.2968					.3054
25.500	.3137					.3235
27.500	.3219	.3305	.3248	.3248		

MACH (9) = 2.400 PT (1) = 10.110 RN/L = 2.0340 Q(PS1) = 2.7880 P = .63100

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0699	.0506	.0000	.0000	.3675
-27.500						.0641
-26.500	.0854					.0434
-24.500	.0004					.0674
-22.500	.0377					.0302
-20.500	.0191					.0031
-18.500	.0043					

(REXP37)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
AMES 11-97-010 058A.8 SF2 + PA2

MACH (9) = 2.400 PF (1) = 10.110
SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-16.500	-.0164	-.0107
	-14.500	-.0114	-.0164
	-12.500	-.0280	-.0225
	-10.500	-.0128	-.0280
	-8.500	-.0208	-.0283
	-6.500	-.0147	-.0063
	-4.500	-.0212	-.0240
	-2.500	.3062	-.0203
	-.500	-.0172	-.0320
	1.500	-.0068	-.0221
	3.500	-.0310	-.0112
	5.500	-.0169	-.0054
	7.500	.0022	.0422
	9.500	.0646	.1065
	11.500	.1412	.1517
	13.500	.1638	.1984
	15.500	.3094	.1986
	17.500	.2037	.2162
	19.500	.2269	.2232
	21.500	.2605	.2473
	23.500	.2604	.2777
	25.500	.2735	.2732
	27.500	.2880	.2917

MACH (10) = 2.504 PT (1) = 10.120 RV/L 1.9360 O(PS1) = 2.5830 P = .58900

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0706	.0464	.0000	.3992
	-27.500	.0760	.0000	.0000	.0648
	-26.500	-.0144			.0411
	-24.500	-.0532			.0725
	-22.500	.0013			.0306
	-20.500	-.0001			-.0111
	-18.500	-.0282			-.0167
	-16.500	-.0206			-.0373
	-14.500	-.0412			-.0354
	-12.500	-.0268			-.0446
	-10.500	-.0243			-.0450
	-8.500	-.0253			-.0148
	-6.500	-.0263			-.0363
	-4.500				

(REXP37)

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
 MACH (10) = 2.504 PT (1) = 10.120
 AMES 11-97-010 OS8A.B SF2 + PA2

SECTION (1) DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-2.500	.3309				-.0302
-.500	-.0302				-.0426
1.500	-.0096				-.0354
3.500	-.0792				-.0175
5.500	-.0245				-.0248
7.500	-.0149				.0233
9.500	.0329				.0766
11.500	.1157				.1217
13.500	.1348				.1750
15.500	.3414				.1697
17.500	.1724				.1876
19.500	.1943				.1934
21.500	.2377				.2125
23.500	.2294				.2519
25.500	.2526				.2442
27.500	.2581	.2660	.2631	.2583	.2636

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

PAGE 300

AMES 11-97-010 OS8A,B SF2 + PA2

(REXP38) (26 OCT 76)

PARAMETRIC DATA

PT = 15.500 SF2 = 37.000
P = 1.9790

MACH (1) = 2.000 PT (1) = 15.500 RN/L = 3.5430 Q(PS1) = 5.5440

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	CP	CP	CP	CP	CP
-28.500	.0361	.0231	.0000	.0000	.2220
-27.500	.0595	.0247	.0000	.0000	.0564
-26.500	.0247	.0059	.0000	.0000	.0284
-24.500	.0059	.0022	.0000	.0000	.0339
-22.500	.0022	.0000	.0000	.0000	.0231
-20.500	.0000	.0000	.0000	.0000	.0153
-18.500	.0000	.0000	.0000	.0000	.0095
-16.500	.0000	.0000	.0000	.0000	.0106
-14.500	.0000	.0000	.0000	.0000	.0011
-12.500	.0000	.0000	.0000	.0000	.0079
-10.500	.0000	.0000	.0000	.0000	.0151
-8.500	.0000	.0000	.0000	.0000	.0148
-6.500	.0000	.0000	.0000	.0000	.0128
-4.500	.0000	.0000	.0000	.0000	.0194
-2.500	.0000	.0000	.0000	.0000	.0135
1.500	.0000	.0000	.0000	.0000	.0162
3.500	.0000	.0000	.0000	.0000	.0283
5.500	.0000	.0000	.0000	.0000	.0551
7.500	.0000	.0000	.0000	.0000	.1247
9.500	.0000	.0000	.0000	.0000	.2073
11.500	.0000	.0000	.0000	.0000	.2476
13.500	.0000	.0000	.0000	.0000	.2847
15.500	.0000	.0000	.0000	.0000	.2993
17.500	.0000	.0000	.0000	.0000	.3156
19.500	.0000	.0000	.0000	.0000	.3300
21.500	.0000	.0000	.0000	.0000	.3458
23.500	.0000	.0000	.0000	.0000	.3692
25.500	.0000	.0000	.0000	.0000	.3826
27.500	.0000	.0000	.0000	.0000	.4024

TABLULATED SOURCE DATA - OSB
AMES 11-97-010 OS8A,B SF2 + (PA2)A

PARAMETRIC DATA
PT = 10.110 SF2 = 37.000
P = 2.3780

MACH (1) = 1.600 PT (1) = 10.100 RN/L = 2.8080 Q(PS1) = 4.2600
SECTION (1) DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-5.000	6.5000	13.5000
X					
-28.500	.9690	.9714	.0000	.0000	1.1160
-27.500			.0080		.9638
-26.500	.9666				.9591
-24.500	.9538				.9659
-22.500	.9711				.9688
-20.500	.9814				.9750
-18.500	.9790				.9831
-16.500	.9869				.9904
-14.500	.9922				.9954
-12.500	.9926				1.0030
-10.500	.9950				.9970
-8.500	1.0050				1.0160
-6.500	1.0160				1.0270
-4.500	1.0240				1.0360
-2.500	1.1150				1.0450
-.500	1.0410				1.0550
1.500	1.0530				1.0700
3.500	1.0670				1.0800
5.500	1.0810				1.0920
7.500	1.0940				1.1050
9.500	1.1090				1.1190
11.500	1.1250				1.1330
13.500	1.1410				1.1510
15.500	1.1160				1.1680
17.500	1.1750				1.1820
19.500	1.1910				1.1980
21.500	1.2100				1.2160
23.500	.4477				1.2320
25.500	1.2410	1.2560	1.2580	1.2570	1.2500
27.500	1.2570				

DATE 22 JAN 77 TABULATED SOURCE DATA - 058

(REXP39)

AMES 11-97-010 OS8A.8 SF2 + (PA2)A

= 1.7580

P

= 3.9880

0(PS1) = 2.6300

RV/L = 10.100

PT (1) = 1.800

MACH (2) = 1.800

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.8193	.8210	.0000	.0000	1.0920
-28.500					.8080
-27.500	.8163				.8027
-26.500	.7909				.8197
-24.500	.8281				.8271
-22.500	.8527				.8518
-20.500	.8549				.8688
-18.500	.8666				.8808
-16.500	.8775				.8920
-14.500	.8829				.9065
-12.500	.8982				.9105
-10.500	.9201				.9419
-8.500	.9364				.9577
-6.500	.9523				.9736
-4.500	1.0880				.9926
-2.500	.9936				1.0170
-.500	1.0170				1.0440
3.500	1.0370				1.0600
5.500	1.0590				1.0790
7.500	1.0790				1.1000
9.500	1.1020				1.1230
11.500	1.1270				1.1450
13.500	1.1480				1.1660
15.500	1.0900				1.060
17.500	1.1900				1.2020
19.500	1.2110				1.2200
21.500	1.2350				1.2380
23.500	.6482				1.2540
25.500	1.2680				1.2723
27.500	1.2860	1.2780	1.2700		

P = 1.2938

0(PS1) = 3.6210

RV/L = 2.4370

PT (1) = 10.120

MACH (3) = 2.000

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.0563	.0367	.0000	.0000	.2843
-28.500					.0705
-27.500	.0750				.0389
-26.500	.0196				.0563
-24.500	-.0134				.0322
-22.500	.0377				.0142
-20.500	.0242				
-18.500					

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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(REXP38)

AMES 11-97-010 OS8A,B SF2 + (PA2)A

MACH (3) = 2.000 PT (1) = 10.120

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-16.500	.0038	.0127
	-14.500	.0118	.0038
	-12.500	-.0025	-.0024
	-10.500	.0023	-.0001
	-8.500	-.0059	-.0174
	-6.500	.0099	.0191
	-4.500	.0139	.0038
	-2.500	.2607	.0227
	-.500	.0094	.0064
	1.500	.0242	.0094
	3.500	.0123	.0343
	5.500	.0356	.0620
	7.500	.0833	.1450
	9.500	.1832	.2042
	11.500	.2351	.2380
	13.500	.2577	.2827
	15.500	.2616	.2904
	17.500	.3012	.3126
	19.500	.3135	.3210
	21.500	.3469	.3387
	23.500	.6142	.3611
	25.500	.3673	.3656
	27.500	.3947	.3853

MACH (4) = 2.200 PT (1) = 10.090 RN/L = 2.2310 Q(PS1) = 3.1980 P = .94300

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0628	.0436	.0000	.3198
	-27.500	.0833	.0000	.0000	.0709
	-26.500	.0162			.0471
	-24.500	-.0178			.0652
	-22.500	.0351			.0378
	-20.500	.0233			.0065
	-18.500	.0086			.0107
	-16.500	.0123			.0105
	-14.500	-.0012			-.0004
	-12.500	.0045			-.0031
	-10.500	-.0001			-.0165
	-8.500	.0159			.0133
	-6.500	.0111			.0055

AMES 11-97-010 058A,B SF2 + 1PA21A

(PEXP39)

MACH (4) = 2.200 PT (1) = 10.090

SECTION (1)

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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X	
-2.500	.2828
-1.500	.0088
-1.000	.0203
-0.500	.0059
0.000	.0158
0.500	.1161
1.000	.2840
1.500	.5000
2.000	.6832
2.500	.8324
3.000	.9398
3.500	.9913
4.000	.9988
4.500	.9999
5.000	.9999
5.500	.9999
6.000	.9999
6.500	.9999
7.000	.9999
7.500	.9999
8.000	.9999
8.500	.9999
9.000	.9999
9.500	.9999
10.000	.9999

MACH	(51 =	2.401	PT	(1) =	10.100	RN/L	=	2.0380	Q(PSI)	=	2.785C	P	=	.69000
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SECTION (1)

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
---	----------	---------	--------	--------	---------

X		.0725	.0638	.0000	.0000	.3711
28.500						.0725
27.500		.0854				.0527
26.500		.0052				.0717
25.500	-	.0296				.0361
24.500		.0222				.0009
23.500		.0105				.0001
22.500	-	.0088				.0092
21.500		.0057				.0173
20.500	-	.0194				.0207
19.500		.0088				.0247
18.500	-	.0098				.0005
17.500		.0083				.0154
16.500	-	.0169				.0247
15.500		.3145				.0107
14.500	-	.0128				.0172
13.500		.0008				.0019
12.500	-	.0190				.0098
11.500		.0147				.0597
10.500	-	.0095				.1163
9.500		.0708				

(PEXP 39)

TABULATED SOURCE DATA - OS8

AMFG 11-97-010 OS8A,B SF2 + (PA2)A

MACH (5) = 2.401 PT (1) = 10.100

SECTION (1)

DEPENDENT VARIABLE CP

	-13.5000	-6.5000	-.5000	6.5000	13.5000
Y					

X	11.500	.1495	.1535
	13.500	.1721	.2032
	15.500	.3184	.2061
	17.500	.2098	.2170
	19.500	.2300	.2285
	21.500	.2652	.2459
	23.500	1.2480	.2793
	25.500	.2798	.2765
	27.500	.2305	.2874
		.3021	.2924
		.2922	

DATE 22 JAN 77

TABULATED SOURCE DATA - 058

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AMES 11-97-010 058A.B SF2 + PA1

(REXP40) (26 OCT 76)

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000
P = 2.3800

MACH (1) = 1.600 PT (1) = 10.120 RN/L = 2.7910 Q(PSI) = 4.2660
SECTION (1) DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
X					
-28.500	.9798	.9777	.9801	.9808	1.0050
-27.500			1.0000		.0000
-26.500	.9682				.0000
-24.500	.9740				.0000
-22.500	.9754				.0000
-20.500	.9786				.0000
-18.500	.9827				.0000
-16.500	.9946				.0000
-14.500	1.0030				.0000
-12.500	1.0060				.0000
-10.500	1.0110				.0030
-8.500	1.0170				1.0140
-6.500	1.0270				1.0430
-4.500	1.0370				1.0400
-2.500	1.0130				.0000
-.500	1.0570				1.0570
1.500	1.0680				1.0610
3.500	1.0810				1.0740
5.500	1.0930				1.0870
7.500	1.1050				1.1060
9.500	1.1180				1.1160
11.500	1.1340				1.1300
13.500	1.1510				1.1440
15.500	1.0120				1.1610
17.500	1.1830				1.1780
19.500	1.1990				1.1900
21.500	1.2200				1.2070
23.500	1.2390				1.2240
25.500	1.2570				1.2398
27.500	1.2770	1.2710	1.2690	1.2650	1.2550

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

MACH (2) = 1.700 PT (1) = 10.110 RN/L = 2.7210 Q(PS1) = 4.1450 P = 2.0480 (REXP40)

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.0258	.0127	.0282	.0186	.1266
-28.500					.0000
-27.500	.0261				.0000
-26.500	.0280				.0000
-25.500	.0135				.0000
-24.500	.0204				.0000
-23.500	.0196				.0000
-22.500	.0175				.0000
-21.500	.0260				.0000
-20.500	.0147				.0000
-19.500	.0323				.0000
-18.500	.0342				.0811
-17.500	.0541				.1117
-16.500	.0826				.1631
-15.500	.1763				.0000
-14.500	.2626				.2731
-13.500	.2854				.2753
-12.500	.3215				.3078
-11.500	.3460				.3280
-10.500	.3702				.3814
-9.500	.4014				.3694
-8.500	.4111				.3883
-7.500	.1075				.4017
-6.500	.4387				.4093
-5.500	.4504				.4243
-4.500	.4672				.4348
-3.500	.4697				.4424
-2.500	.4733				.4578
-1.500	.4932	.4826	.4706	.4699	.4605
-0.500					.4738

MACH (3) = 1.800 PT (1) = 10.110 RN/L = 2.6390 Q(PS1) = 3.9930 P = 1.7610

SECTION (1)

DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.0307	.0190	.0359	.0248	.0757
-28.500					.0000
-27.500	.0317				.0000
-26.500	.0451				.0000
-25.500	.0282				.0000
-24.500	.0361				.0000
-23.500	.0282				.0000
-22.500					.0000
-21.500					.0000
-20.500					.0000
-19.500					.0000

DATE 22 JAN 77

TABULATED SOURCE DATA - OS8

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(REXP001

AMES 11-97-010 OS8A,B SF2 + PA1

MACH (3) = 1.800 PT (1) = 10.110

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-16.500	-14.500	-12.500	-10.500	-8.500	-6.500	-4.500	-2.500	1.500	3.500	5.500	7.500	9.500	11.500	13.500	15.500	17.500	19.500	21.500	23.500	25.500	27.500	
CP	.0175	.0295	.0208	.0278	.0325	.0194	.0292	.0454	.0232	.0488	.0827	.1895	.2185	.2597	.3173	.0507	.3538	.3710	.3913	.3592	.4106	.4296	.4285
RM/L	.0800	.0000	.0000	.0000	.0634	.0564	.0555	.0000	.0599	.0383	.1125	.1760	.2794	.2686	.2903	.3288	.3371	.3522	.3651	.3796	.4026	.4075	.4272

MACH (4) = 1.900 PT (1) = 10.120 RM/L = 2.5480 O(PS1) = 3.8150 P = 1.5090

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5.0000 6.5000 13.5000

X	-28.500	-27.500	-26.500	-24.500	-22.500	-20.500	-18.500	-16.500	-14.500	-12.500	-10.500	-8.500	-6.500	-4.500
CP	.0378	.0193	.0378	.0315	.0940	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RM/L	.0367	.0485	.0280	.0399	.0439	.0338	.0437	.0418	.0466	.0609	.0439	.0439	.0794	.0794

(REXP40)

DATE 22 JAN 77
 TABULATED SOURCE DATA - OS8
 AMES 11-97-010 OS8A.B SF2 + PA1

MACH (4) = 1.900 PT (1) = 10.120

SECTION (1)
 DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5000 6.5000 13.5000

X	-2.500	.0546	.0000
	-.500	.0360	.0828
	1.500	.0554	.0392
	3.500	.0729	.0932
	5.500	.1322	.1401
	7.500	.1954	.2722
	9.500	.2439	.2622
	11.500	.2874	.2807
	13.500	.3015	.3181
	15.500	.0559	.3263
	17.500	.3402	.3460
	19.500	.3566	.3546
	21.500	.3799	.3688
	23.500	.3873	.3923
	25.500	.3986	.3964
	27.500	.4233	.4197

MACH (5) = 2.000 PT (1) = 10.100 RM/L = 2.4560 Q(PSI) = 3.6140 P = 1.2910

SECTION (1)
 DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -5000 6.5000 13.5000

X	-28.500	.0612	.0338	.0537	.1131
	-27.500	.0578	.0652	.1025	.0000
	-26.500	.0703	.0000	.0000	.0000
	-24.500	.0924	.0000	.0000	.0000
	-22.500	.0768	.0000	.0000	.0000
	-20.500	.0791	.0000	.0000	.0000
	-18.500	.0640	.0000	.0000	.0000
	-16.500	.0808	.0000	.0000	.0000
	-14.500	.0747	.0000	.0000	.0000
	-12.500	.0823	.0000	.0000	.0000
	-10.500	.0923	.0000	.0000	.0000
	-8.500	.0742	.0000	.0000	.1571
	-6.500	.0822	.0000	.0000	.1308
	-4.500	.0652	.0000	.0000	.1216
	-2.500	.0653	.0000	.0000	.1209
	-.500	.0804	.0000	.0000	.0626
	1.500	.076E	.0000	.0000	.0852
	3.500	.1022	.0000	.0000	.1052
	5.500	.1677	.0000	.0000	.2481
	7.500	.2393	.0000	.0000	.2454

AMES 11-97-010 OSBA,B SF2 + PA1

(34-2734)

MACH (5) = 2.000 PT (1) = 10.100

SECTION : 11

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000
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[illegible]

MACH (6) = 2.100 PT (1) = 10.110 RN/L = 2.3650 O(PS1) = 3.4140 P = 1.1050

SECTION (1)

DEPENDENT VARIABLE CP

Y	-13.5000	-6.5000	-.5000	6.5000	13.5000

X		.0763	.0593	.0853	.0676	.1183
-28.500						.0000
-27.500				.1015		.0000
-26.500		.0614				.0000
-24.500		.0916				.0000
-22.500		.0593				.0000
-20.500		.0727				.0000
-18.500		.0695				.0000
-16.500		.0531				.0000
-14.500		.0680				.0000
-12.500		.0557				.0000
-10.500		.0612				.0000
-8.500		.0692				.1571
-6.500		.0541				.1201
-4.500		.0575				.1145
-2.500		.0593				.0000
-.500		.0476				.1144
1.500		.0620				.0483
3.500		.0563				.0745
5.500		.0863				.0849
7.500		.1421				.2291
9.500		.2131				.2147
11.500		.2624				.2505
13.500		.2783				.3022
15.500		.0647				.3105
17.500		.3194				.3240
19.500		.3409				.3373
21.500		.3689				.3506
23.500		.3730				.3818

DATE 22 JAN 77 TABULATED SOURCE DATA - OS8
 AVES 11-97-010 OS8A.B SF2 + PA1

(REXPND)

MACH (6) = 2.100 PT (1) = 10.110

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
 25.500 .3888 .3871
 27.500 .4082 .4088 .4093 .4049 .4089

MACH (7) = 2.200 PT (1) = 10.130 RN/L = 2.2710 Q(PS1) = 3.2080 P = .94500

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X
 -28.500 .0639 .0422 .0712 .0510 .1323
 -27.500 .0499 .0722 .0896 .0000 .0000
 -26.500 .0498 .0722 .0896 .0000 .0000
 -25.500 .0498 .0722 .0896 .0000 .0000
 -24.500 .0498 .0722 .0896 .0000 .0000
 -23.500 .0498 .0722 .0896 .0000 .0000
 -22.500 .0498 .0722 .0896 .0000 .0000
 -21.500 .0498 .0722 .0896 .0000 .0000
 -20.500 .0498 .0722 .0896 .0000 .0000
 -19.500 .0498 .0722 .0896 .0000 .0000
 -18.500 .0498 .0722 .0896 .0000 .0000
 -17.500 .0498 .0722 .0896 .0000 .0000
 -16.500 .0498 .0722 .0896 .0000 .0000
 -15.500 .0498 .0722 .0896 .0000 .0000
 -14.500 .0498 .0722 .0896 .0000 .0000
 -13.500 .0498 .0722 .0896 .0000 .0000
 -12.500 .0498 .0722 .0896 .0000 .0000
 -11.500 .0498 .0722 .0896 .0000 .0000
 -10.500 .0498 .0722 .0896 .0000 .0000
 -9.500 .0498 .0722 .0896 .0000 .0000
 -8.500 .0498 .0722 .0896 .0000 .0000
 -7.500 .0498 .0722 .0896 .0000 .0000
 -6.500 .0498 .0722 .0896 .0000 .0000
 -5.500 .0498 .0722 .0896 .0000 .0000
 -4.500 .0498 .0722 .0896 .0000 .0000
 -3.500 .0498 .0722 .0896 .0000 .0000
 -2.500 .0498 .0722 .0896 .0000 .0000
 -1.500 .0498 .0722 .0896 .0000 .0000
 .500 .0498 .0722 .0896 .0000 .0000
 1.500 .0498 .0722 .0896 .0000 .0000
 2.500 .0498 .0722 .0896 .0000 .0000
 3.500 .0498 .0722 .0896 .0000 .0000
 4.500 .0498 .0722 .0896 .0000 .0000
 5.500 .0498 .0722 .0896 .0000 .0000
 6.500 .0498 .0722 .0896 .0000 .0000
 7.500 .0498 .0722 .0896 .0000 .0000
 8.500 .0498 .0722 .0896 .0000 .0000
 9.500 .0498 .0722 .0896 .0000 .0000
 10.500 .0498 .0722 .0896 .0000 .0000
 11.500 .0498 .0722 .0896 .0000 .0000
 12.500 .0498 .0722 .0896 .0000 .0000
 13.500 .0498 .0722 .0896 .0000 .0000
 14.500 .0498 .0722 .0896 .0000 .0000
 15.500 .0498 .0722 .0896 .0000 .0000
 16.500 .0498 .0722 .0896 .0000 .0000
 17.500 .0498 .0722 .0896 .0000 .0000
 18.500 .0498 .0722 .0896 .0000 .0000
 19.500 .0498 .0722 .0896 .0000 .0000
 20.500 .0498 .0722 .0896 .0000 .0000
 21.500 .0498 .0722 .0896 .0000 .0000
 22.500 .0498 .0722 .0896 .0000 .0000
 23.500 .0498 .0722 .0896 .0000 .0000
 24.500 .0498 .0722 .0896 .0000 .0000
 25.500 .0498 .0722 .0896 .0000 .0000
 26.500 .0498 .0722 .0896 .0000 .0000
 27.500 .0498 .0722 .0896 .0000 .0000

DATE 22 JAN 77 TABULATED SOURCE DATA - OSB

AMES 11-97-010 OS8A.8 SF2 + PA1 (REXP40)

MACH (8) = 2.301 PT (1) = 10.100 RN/L = 2.1710 Q(PS1) = 2.9910 P = .80700

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0588	.0359	.0650	.0454	.1451
	-27.500			.0799		.0000
	-26.500	.0415				.0000
	-25.500	.0585				.0000
	-24.500	.0351				.0000
	-23.500	.0540				.0000
	-22.500	.0515				.0000
	-21.500	.0303				.0000
	-20.500	.0461				.0000
	-19.500	.0318				.0000
	-18.500	.0376				.0000
	-17.500	.0572				.1939
	-16.500	.0316				.1264
	-15.500	.0363				.1200
	-14.500	.0495				.0000
	-13.500	.0319				.1238
	-12.500	.0474				.0352
	-11.500	.0398				.0596
	-10.500	.0585				.0601
	-9.500	.1024				.2278
	-8.500	.1697				.1809
	-7.500	.2247				.2148
	-6.500	.2353				.2681
	-5.500	.0556				.1671
	-4.500	.2761				.2874
	-3.500	.2948				.2946
	-2.500	.3250				.3063
	-1.500	.3237				.3406
	-.500	.3387				.3394
	6.500	.3582	.3641	.3581	.3563	.3575

MACH (9) = 2.400 PT (1) = 10.090 RN/L = 2.0760 Q(PS1) = 2.7840 P = .69000

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0631	.0304	.0671	.0371	.1703
	-27.500			.0772		.0000
	-26.500	.0435				.0000
	-25.500	.0584				.0000
	-24.500	.0327				.0000
	-23.500	.0560				.0000
	-22.500	.0561				.0000

(REXP40)

DATE 22 JAN 77
 TABULATED SOURCE DATA - OSB
 AMES 11-97-010 OS8A.B SF2 + PA1

MACH (9) = 2.400 PT (1) = 10.090

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-16.500	.0324	.0000
	-14.500	.0465	.0000
	-12.500	.0322	.0000
	-10.500	.0406	.0000
	-8.500	.0605	.2301
	-6.500	.0337	.1435
	-4.500	.0399	.1343
	-2.500	.0503	.0000
	-.500	.0349	.1375
	1.500	.0522	.0384
	3.500	.0390	.0627
	5.500	.0606	.0603
	7.500	.1049	.2515
	9.500	.1659	.1728
	11.500	.2217	.2077
	13.500	.2217	.2573
	15.500	.0579	.2527
	17.500	.2618	.2683
	19.500	.2824	.2741
	21.500	.3165	.2908
	23.500	.3046	.3288
	25.500	.3212	.3210
	27.500	.3416	.3394

MACH (10) = 2.504 PT (1) = 10.110 RV/L = 1.9860

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	-28.500	.0482	.0051	.0563	.0151	.1852
	-27.500	.0234		.0592		.0000
	-26.500	.0440				.0000
	-24.500	.0103				.0000
	-22.500	.0443				.0000
	-20.500	.0515				.0000
	-18.500	.0193				.0000
	-16.500	.0378				.0000
	-14.500	.0127				.0000
	-12.500	.0296				.0000
	-10.500	.0568				.2544
	-8.500	.0243				.1534
	-6.500	.0316				.1405

0(P51) = 2.5920 P

.59800

DATE 22 JAN 77

TAPULATED SOURCE DATA - OS8

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AMES 11-97-010 058A,B S12 + PAJ

(REXP40)

MACH (10) = 2.504 PT (1) = 10.110

SECTION (1) DEPENDENT VARIABLE CP

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X				
-2.500	.0332			.0000
-.500	.0277			.1430
1.500	.0530			.0319
3.500	.0296			.0553
5.500	.0449			.0363
7.500	.0665			.2436
9.500	.1377			.1335
11.500	.2008			.1799
13.500	.2003			.2383
15.500	.0497			.2256
17.500	.2272			.2502
19.500	.2535			.2443
21.500	.2970			.2691
23.500	.2820			.3098
25.500	.2935			.2911
27.500	.3052	.3218	.3206	.3215

TABULATED SOURCE DATA - OS8

DATE 22 JAN 77

(REXP=1) (26 OCT 76)

AMES 11-97-010 OS8A,B SF2 + PA1

PARAMETRIC DATA

PT = 10.110 SF2 = 37.000
PBOX = 4.600
P = 1.2920

Q(PS1) = 3.6170

RM/L = 2.4550

PT (1) = 10.110

PT 2.000

MACH (1) =

DEPENDENT VARIABLE CP

SECTION (1)

Y -13.5000 -6.5000 -.5000 6.5000 13.5000

X	.0553	.0332	.0590	.0472	.2787
-28.500			.0965		.0000
-27.500	.0514				.0000
-26.500	.0670				.0000
-24.500	.0485				.0000
-22.500	.0672				.0000
-20.500	.0688				.0000
-18.500	.0589				.0000
-16.500	.0721				.0000
-14.500	.0693				.0000
-12.500	.0753				.1473
-10.500	.0848				.1221
-8.500	.0709				.1184
-6.500	.0745				.0000
-4.500	.2545				.1145
-2.500	.0607				.0546
-.500	.0753				.0800
1.500	.0712				.0941
3.500	.1000				.2304
5.500	.1641				.2352
7.500	.2322				.2763
9.500	.2834				.3251
11.500	.3016				.3324
13.500	.2576				.3474
15.500	.3433				.3633
17.500	.3615				.3768
19.500	.3875				.4061
21.500	.3939				.4096
23.500	.4100				.4281
25.500	.4272	.4331	.4284	.4257	
27.500					